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PREFACE

This publication was prepared by personnel of the Sediment Survey Section, Water Survey of Canada Division, under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Vancouver, British Columbia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

Le groupe d'étude des sédiments de la Division des relevés hydrologiques du Canada, sous l'autorité du directeur des Ressources en eau du ministère de l'Environnement, à Ottawa, a préparé la présente publication.

Le chef régional de la Direction des ressources en eau, à Vancouver (Colombie-Britannique), a supervisé la collecte et la compilation des données de base.

Nous remercions vivement les organismes provinciaux, ou autres, pour leur collaboration.

TABLE OF CONTENTS

	PAGE
Preface	iii
Introduction	iv
Scope of Publication	v
History and Objectives of Sediment Surveys in Canada	v
Publication of Surface Water and Sediment Data	vi
Collection and Processing of Basic Data	vii
Equipment and Instrumentation	vii
Hydrometric Surveys	vii
Sediment Sampling Program	vii
Total Sediment Load	ix
Sediment Survey Laboratories	ix
Accuracy and Reliability of Field Data and Computed Results	x
Method of Tabulation of Sediment Data	xi
Co-operation and Acknowledgments	xiv
Microfiche	xiv
Definition of Terms	xv
Revisions	xvi
Equivalents of Measure	xvii
Sediment Data Stations in Alphabetical Order	1
Station Number Index	65
Alphabetical Index	67

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Portée de la publication	v
Historique et objectifs des études des sédiments au Canada	v
Publication des données sur les eaux de surface et les sédiments	vi
Collecte et traitement des données de base	vii
Matériel	vii
Relevés hydrométriques	vii
Échantillonnage des sédiments des cours d'eau	vii
Débit solide total	ix
Laboratoires d'analyse	ix
Exactitude des données et des résultats	x
Présentation des tableaux de données sur les sédiments	xi
Coopération et remerciements	xiv
Microfiche	xiv
Définition des termes	xv
Révisions	xvi
Équivalences des unités de mesure	xvii
Stations de relevé des sédiments par ordre alphabétique	1
Index numérique des stations	65
Index alphabétique	67

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1985 calendar year the annual suspended sediment data and a historical data summary for the sediment survey investigations conducted in British Columbia by the Water Survey of Canada.

Data on the character and quantity of fluvial sediments provided by sediment survey investigations are intended for use in studies of water quality, environmental impacts, river processes and behaviour, and engineering design.

General introductory information on the sediment survey is included in this publication. Similar information for the associated hydrometric survey is given in the regular publications containing surface water data.

Details on individual stations and related records, as well as recent data that have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
502–1001 West Pender Street,
Vancouver, British Columbia.
V6E 2M9

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

Dans la présente publication de la Direction des ressources en eau du ministère de l'Environnement, on trouvera les données annuelles sur les sédiments en suspension pour 1985 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de la Colombie-Britannique par la Division des relevés hydrologiques du Canada.

Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau doivent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.

La presente publication contient des renseignements généraux préliminaires sur les études des sédiments. Des renseignements semblables sur les études hydrométriques connexes sont contenus dans les publications régulières présentant des données sur les eaux de surface.

On peut obtenir des renseignements supplémentaires sur les stations et les relevés, ainsi que des données récentes non encore publiées, en s'adressant au:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
502–1001, rue Pender ouest
Vancouver (C.-B.)
V6E 2M9

ou au directeur des Ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

SCOPE OF PUBLICATION

Descriptive information about sediment stations is given. This refers to the Location, Latitude and Longitude, Drainage Area and whether the flow is Natural Flow or Regulated Flow (the year that regulation began is given, if known), Type of Gauge and the Total Suspended Sediment Load in Tonnes for the Period of Record is also included. International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions at the sediment station that could affect the data results are explained under "Remarks".

This publication contains data on streamflow, instantaneous suspended sediment concentration; daily mean suspended sediment concentration; daily suspended sediment loads; dissolved solids concentration; load summary; particle-size distribution of suspended sediment in percent sand, silt and clay; bed load and bed material; water temperature when samples were collected; type of sampler and the single sampling vertical location.

A historical sediment data summary includes such information as Sampled Concentration Maximum and Minimum; Suspended Sediment Load Maximum Daily and the Total for Period. The Period of Record and the Type of Operation for each year of data are also given. A Summary for the Months of record gives the Period of Record Mean, the Mean for Period of Record and the Standard Error of Mean as a percent.

HISTORY AND OBJECTIVES OF SEDIMENT SURVEYS IN CANADA

In Canada, investigations of sediment transported by streams were first undertaken by individual organizations or agencies in 1948, to meet the needs of federal and provincial agencies for assessment of particular projects. Although the investigations were extended to meet expanding needs after 1948, it was not until 1961 that a systematic survey was undertaken by the Water Resources Branch.

The sediment survey program has the following objectives:

(1) Collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies.

(2) Provision of information and advice related to sediment transport.

(3) Assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program.

PORTÉE DE LA PUBLICATION

Des données descriptives sont présentées sur les stations d'étude des sédiments. Elles concernent leur emplacement, leurs latitude et longitude, leur bassin versant, la nature de débit (naturel ou régularisé, avec indication, le cas échéant, de l'année où la régularisation a commencé, si elle est connue), le type d'instrument de mesure employé et le débit total des sédiments en suspension (en tonnes) pour la période de relevé. Les stations internationales de jaugeage sont indiquées, ainsi que le nom des organismes qui fournissent les données. Des explications concernant des conditions exceptionnelles qui ont pu influer sur les résultats sont présentées dans la partie «Remarques».

Cette publication renferme des données sur le débit des cours d'eau, les concentrations instantanées de sédiments en suspension, les concentrations journalières moyennes de sédiments en suspension, les débits journaliers de sédiments en suspension, les concentrations de matières dissoutes, les débits solides totaux (résumés), la granulométrie des sédiments en suspension exprimée en pourcentage de sable, de limon et d'argile, le charriage et les matériaux du lit, la température de l'eau au moment de l'échantillonnage, le type d'échantillonneur employé et l'emplacement des verticales de prélèvement d'échantillons uniques.

Un résumé des données historiques sur les sédiments est inclus. On y trouve divers renseignements comme les concentrations maximale et minimale mesurées, le débit journalier maximal des sédiments en suspension et le total pour la période. La période de relevé et le type d'exploitation des stations sont indiqués pour chaque année. Dans un résumé pour les mois de relevé, on donne la moyenne pour chaque période et pour l'ensemble des périodes de relevé ainsi que l'erreur-type de la moyenne, en pourcentage.

HISTORIQUE ET OBJECTIFS DES ÉTUDES DES SÉDIMENTS AU CANADA

Au Canada, les études dans ce domaine ont débuté en 1948 en réponse aux besoins exprimés par certains organismes fédéraux et provinciaux pour l'évaluation de projets donnés et étaient le fait d'organismes privés. Bien que les études se soient poursuivies après 1948 pour satisfaire aux besoins accrus, ce n'est qu'en 1961 que la Direction des ressources en eau les a entreprises de façon systématique.

Les buts de ces études sont de:

(1) réunir et produire des données sur les transports solides dans les cours d'eau canadiens, données dont on peut avoir besoin pour des études concernant l'environnement, la qualité des eaux et la conception de projets portant sur les ressources en eau.

(2) produire des informations concernant les transports solides.

(3) évaluer, améliorer et uniformiser le matériel et les techniques employés dans le programme d'étude des sédiments au Canada.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Sediment data have been published in a variety of formats since the beginning of the Sediment Survey Program.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* were published in a new format wherein Canada was divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis le début du programme d'étude des sédiments, la présentation des données a varié.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

En 1984, la présentation des *Données sur les sédiments* a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

COLLECTION AND PROCESSING OF BASIC DATA

1. *Equipment and Instrumentation*

The sediment survey program of the Water Resources Branch is conducted in cross sections on rivers selected specifically for the sediment survey or for the hydrometric survey. Certain cross sections are located at traffic bridges, while others are equipped with cableways, or automatic pump samplers.

The following sediment samplers have been used in the sediment survey program:

(a) Depth-integrating suspended sediment wading type hand sampler, USDH-48, used on small streams or during winter periods.
(b) Depth-integrating suspended sediment sampler, USDH-59, used as a handline suspension for small and medium size streams.
(c) Depth-integrating suspended sediment samplers, USD-49, and USD-74, used on a reel suspension for medium and large streams whose depths are less than five metres.
(d) Point-integrating suspended sediment samplers, USP-61, USP-61-A1, USP-63, and USP-72, used for point-integrating sampling, or depth-integrating sampling if the depth is over five metres, or in a cross section with velocities up to two metres per second.
(e) Automatic pump sampler is an automatic pumping system permitting unattended collecting and bottling of individual water samples pumped from a fixed point in a stream. This sampler is normally installed at isolated locations where otherwise no data would be available during ice break-up or peak periods.
(f) Bed material sampler, USBM-54, used on large or deep streams or on those streams with hard-packed streambeds.
(g) Bed material sampler, USBMH-60, used on some large or deep streams or on those streams with soft-packed streambeds.
(h) Bed material sampler, USBMH-53, used on some small or shallow streams.
(i) Lane bed material sampler, a drag-type sampler used on small streams or those with soft streambeds.

2. *Hydrometric Surveys*

The hydrometric survey includes the standard procedures for observations of water levels, streamflow measurements, water surface slope determinations if required, and observations of water temperature. The streamflow measurements are made in conjunction with the sediment load measurements and conform to the accepted standards of the regular hydrometric survey.

3. *Sediment Sampling Program*

The following is a summary of the elements associated with the Sediment Sampling Program:

(a) Periodic measurement of suspended sediment load by the

COLLECTE ET TRAITEMENT DES DONNÉES DE BASE

1. *Matériel*

L'étude des sédiments réalisée par la Direction des ressources en eau porte sur des sections transversales de cours d'eau choisis spécialement à cette fin ou pour les relevés hydrométriques. Certaines sections sont situées sous un pont, d'autres sont accessibles par téléphérique, ou sont étudiées à l'aide d'un échantillonneur sous pression.

On a utilisé les échantillonneurs suivants:

(a) L'échantillonneur intégrateur selon la profondeur, type simple, USDH-48, employé dans les cours d'eau peu profonds ou en hiver;
(b) L'échantillonneur intégrateur selon la profondeur USDH-59, utilisé comme une ligne dans les cours d'eau petits et moyens;
(c) Les échantillonneurs intégrateurs selon la profondeur USD-49 et USD-74 fixés au bout d'une corde s'enroulant autour d'un moulinet et employés dans les cours d'eau gros ou moyens dont la profondeur est inférieure à cinq mètres;
(d) Les échantillonneurs intégrateurs USP-61, USP-61-A1, USP-63 et USP-72, employés ponctuellement ou sur toute la verticale, et utilisés lorsque la profondeur est supérieure à cinq mètres ou dans les sections transversales qui connaissent un débit qui atteint 2 m/s.
(e) Un échantillonneur automatique permettant le prélèvement en bouteilles, sans surveillance, d'échantillons uniques d'eau obtenus à l'aide d'une pompe en un point précis d'un cours d'eau; il est ordinairement installé dans un endroit isolé où aucune donnée ne pourrait être obtenue autrement au cours de la débâcle ou des périodes de débit de pointe;
(f) L'échantillonneur USBM-54 employé pour le prélèvement d'échantillons des matériaux du lit dans les cours d'eau importants ou profonds ou dans les cours d'eau dont le fond est dur;
(g) L'échantillonneur USBMH-60 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau importants ou profonds, ou dans les cours d'eau dont le fond est meuble;
(h) L'échantillonneur USBMH-53 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau petits ou peu profonds;
(i) La drague employée pour le prélèvement d'échantillons des matériaux du lit dans de petits cours d'eau ou dans des cours d'eau dont le fond est meuble.

2. *Relevés hydrométriques*

Le relevé hydrométrique comprend, entre autres, l'observation de la hauteur des eaux, la mesure du débit de l'eau, la détermination de la pente de la ligne d'eau, si nécessaire, ainsi que l'observation de la température de l'eau. Les mesures du débit de l'eau et du débit des sédiments se font conjointement, suivant les méthodes acceptées.

3. *Échantillonnage des sédiments des cours d'eau*

L'échantillonnage comporte, en gros, les éléments suivants:

(a) La mesure périodique du débit des sédiments en suspension par la méthode d'intégration sur toute la profondeur

depth-integrating method for determining the average suspended sediment concentration in the cross section.

(b) Single suspended sediment samples at a selected vertical for determining the sediment concentration for the days when suspended sediment load measurements are not taken.

(c) Limited measurement of suspended sediment load by the point-integrating method for checking depth-integrated measurements and for determining particle-size distribution in the cross section.

(d) Sampling of bed material for determining particle-size distribution.

(e) Periodic measurement of bed load.

The following is a brief explanation of the elements listed above:

(a) *Suspended Sediment Load by Depth-Integrating Method*: Measurements are made by the depth-integrating method to determine the suspended sediment load in the entire cross section of a stream, the average suspended sediment concentration in the cross section, and the size distribution of the sediment particles. It is known that the concentration of suspended sediment tends to increase from the water surface to the streambed and could vary from streambank to streambank.

When making suspended sediment equal-discharge-increment (EDI) measurements, the stream cross section is divided into at least five equal-flow panels and a representative suspended sediment sample is collected from each portion. For each panel of the cross section, the suspended sediment load (r) may then be computed by multiplying the flow (q) by the suspended sediment concentration (c):

$$r = q\ c$$

The suspended sediment load (R) for the cross section may be computed by adding the sediment loads for the five equal-flow panels:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

The depth-integrating method of sampling is used to measure the suspended sediment concentration. This method is based on the premise that the sampler fills at a rate proportional to the velocity of the approaching flow, and that by traversing the depth of a stream at a uniform speed, the sampler will receive a portion of water sediment mixture at every point in the vertical.

(b) *Single Suspended Sediment Samples at a Selected Vertical*: Single suspended sediment samples, consisting of two bottles each, are collected routinely using the depth or point-integrating samplers at a permanently fixed vertical in a cross section. During periods of very heavy sediment concentration, two or three single sediment samples may be taken per day, while during periods of low concentration, one single sediment sample may only be taken every few days. During extremely low flow periods, the sampling may be limited to one single sample in several weeks or months.

(c) *Suspended Sediment Load by Point-Integrating Method*: A limited number of suspended sediment load measurements are made by the point-integrating method. These measurements are included in the program (a) to check by comparison the "measured" sediment loads obtained by the depth-integrating method with the suspended sediment loads by the point-integrating method and (b) to obtain samples from which to determine particle-size distribution

pour la détermination de la concentration moyenne dans une section transversale;

(b) Le prélèvement d'échantillons uniques des sédiments en suspension selon une verticale choisie, afin de déterminer la concentration des sédiments les journées où le débit des sédiments en suspension n'est pas mesuré;

(c) Un nombre restreint de mesures du débit des sédiments en suspension avec intégration en un point précis d'un cours d'eau, afin de vérifier les résultats des mesures avec intégration selon la profondeur et afin de déterminer la granulométrie des particules de sédiments dans une section transversale d'un cours d'eau;

(d) L'échantillonnage des matériaux du lit afin d'en déterminer la granulométrie;

(e) La mesure périodique du charriage.

Voici une brève description des éléments susmentionnés.

(a) *Mesure du débit des sédiments en suspension par intégration selon la profondeur*: La méthode permet de déterminer le débit des sédiments en suspension traversant toute une section transversale d'un cours d'eau, la concentration moyenne des sédiments en suspension dans la section transversale et la granulométrie des sédiments en suspension. C'est un fait connu que la concentration des sédiments en suspension augmente généralement avec la profondeur et qu'elle peut varier d'une rive à l'autre d'un cours d'eau.

Avec la méthode d'incréments de débits égaux (IDE), la mesure du débit des sédiments en suspension se fait en divisant une section transversale d'un cours d'eau en au moins cinq tranches où le débit est égal et en prélevant un échantillon représentatif dans chacune d'elles. Le débit des sédiments en suspension (r) pour chaque tranche se calcule en multipliant le débit (q) par la concentration des sédiments en suspension (c):

$$r = q\ c$$

Le débit des sédiments en suspension (R) pour la section transversale est la somme des débits des sédiments des cinq tranches:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

La méthode par intégration sur toute la profondeur est employée pour mesurer la concentration des sédiments en suspension. Elle suppose que l'échantillonneur se remplit à un rythme proportionnel au débit de l'eau et qu'en étant déplacé à une vitesse uniforme sur toute la verticale, il reçoit une partie du mélange eau-sédiments à tous les points de celle-ci.

(b) *Prélèvement d'échantillons uniques de sédiments en suspension sur une verticale choisie*: De tels échantillons, constitués chacun de deux bouteilles, sont prélevés régulièrement à l'aide d'appareils intégrateurs, selon la profondeur ou ponctuels, sur une verticale permanente d'une section transversale. Lorsque la concentration des sédiments est très forte, deux ou trois échantillonnages peuvent être effectués chaque jour, alors qu'un seul échantillon peut être prélevé à quelques jours d'intervalle lorsqu'elle est faible. Au cours des périodes où le débit est extrêmement faible, l'échantillonnage peut être limité à un échantillon toutes les quelques semaine ou tous les quelques mois.

(c) *Mesure du débit des sédiments en suspension par la méthode ponctuelle*: Un nombre limité de mesures du débit des sédiments en suspension sont faites avec cette méthode. On y a recours a) pour vérifier les valeurs du débit mesurées au moyen de la méthode précédente et b) pour obtenir des échantillons en vue de déterminer la granulométrie des sédiments en divers points de la

at different points in the cross section. The point-integrating sediment loads are computed by graphical methods.

The relationship between the suspended sediment concentration of the single vertical samples and the average concentration in the cross section determined from the suspended sediment load measurements is established for some stations. Using this relationship, the sediment concentrations of the single vertical samples are adjusted to reflect the average suspended sediment concentration in the cross section. These average sediment concentrations in the cross sections are plotted, and a smooth curve is drawn through the points to obtain a concentration graph. This graph represents the average suspended sediment concentration for the period of record. The daily mean concentrations are determined by automated procedures using a digitizer interfaced with a Digital minicomputer.

The daily suspended sediment loads are computed on the basis of stream discharges and the collected suspended sediment concentrations. The daily suspended sediment loads are expressed in tonnes per day and are obtained by multiplying the daily mean sediment concentration (mg/L), by the daily mean discharge (m^3/s), and the conversion factor, 0.0864.

(d) *Bed Material Sampling*: In a cross section, bed material samples are usually taken in the same sampling verticals as the suspended sediment samples. Often, additional bed material samples are collected at the water edge, the extreme water level or at other points in the cross section. The total number of bed material samples taken in a cross section usually varies between five and nine.

(e) *Bed Load Measurement*: There are several methods available for measurement of bed load (volumetric method, measurement by samplers, method of tracers, method of constricted cross section, study of sound waves, etc.). The measurement methods should be selected in accordance with river regime.

4. *Total Sediment Load*

Sediment transport may be divided into two categories: sediment maintained in suspension in the stream (suspended load), and sediment being carried along the streambed (bed load). To measure the total sediment load, each of these must be measured separately and then totalled. The total sediment load was not computed for this publication.

5. *Sediment Survey Laboratories*

The Water Resources Branch maintain sediment survey laboratories in New Westminster, British Columbia; Regina, Saskatchewan; Guelph, Ontario; and Moncton, New Brunswick. The laboratories are equipped to perform the following analyses:

(a) determination of sediment concentration by (1) filtration method, (2) evaporation method and (3) determination of total dissolved solids by evaporation method.
(b) particle-size distribution analysis by (1) bottom withdrawal tube method, (2) sieving and (3) hydrometer method.

Determination of the sediment concentration by the evaporation method is carried out by evaporating the water from the settled sediment sample, with the results being corrected for dissolved solids. The quantity of dissolved solids is determined by evaporating a portion of the decanted water of a sample. In the filtration method, the suspended sediment concentration of water samples is determined by utilizing Gooch crucibles with a Reeve Angel 934AH filter and a Millipore AP20 prefilter and a vacuum system.

section transversale. Cette méthode fait appel à des graphiques pour le calcul du débit des sédiments.

Le rapport entre la concentration des sédiments en suspension dans les échantillons prélevés sur une seule verticale et la concentration moyenne dans la section transversale, telle que déterminée à partir des mesures du débit des sédiments en suspension, est établi pour quelques stations. Il permet de corriger les concentrations mesurées à une seule verticale de manière à donner la concentration moyenne dans la section transversale. Les concentrations moyennes ainsi déterminées sont reportées sur un graphique, et une courbe lisse passant par les points marqués est tracée. Le graphique obtenu représente la concentration moyenne des sédiments en suspension pour la période de relevé. Les concentrations moyennes quotidiennes sont déterminées automatiquement à l'aide d'un convertisseur analogique-numérique relié à un mini-ordinateur numérique.

Les valeurs journalières du débit des sédiments en suspension sont calculées à partir du débit du cours d'eau et des concentrations des sédiments en suspension recueillis. Elles sont exprimées en tonnes par jour. On les détermine en multipliant la concentration moyenne journalière des sédiments (mg/L) par le débit moyen journalier (m^3/s) et par un facteur de conversion approprié, 0.0864.

(d) *Échantillonnage des matériaux du lit*: Dans une section transversale, les échantillons des matériaux du lit sont ordinairement prélevés aux mêmes verticales que ceux des sédiments en suspension. Souvent, des échantillons supplémentaires sont pris près des rives, là où le niveau d'eau est extrême et à d'autres points de la section transversale. Leur nombre total pour une section donnée varie ordinairement entre cinq et neuf.

(e) *Mesure du charriage*: La mesure peut se faire par plusieurs méthodes (méthode volumétrique, mesure à l'aide d'échantillonneurs, méthode des traceurs, méthode de la section transversale rétrécie, étude des ondes sonores, etc.). Le choix se fondera sur la nature du régime du cours d'eau.

4. *Débit solide total*

Il y a deux catégories de sédiments: les sédiments maintenus en suspension au sein de l'eau (sédiments en suspension), et les sédiments charriés sur le lit d'un cours d'eau (charriage de fond). Les deux types de sédiments doivent être mesurés séparément et leurs valeurs additionnées si on veut mesurer le débit total des sédiments. Toutefois, on ne l'a pas calculé aux fins de la présente publication.

5. *Laboratoires d'analyse*

La Direction des ressources en eau possède des laboratoires d'analyse des sédiments à New Westminster (Colombie-Britannique), Regina (Saskatchewan), Guelph (Ontario) et Moncton (Nouveau-Brunswick). Les laboratoires disposent des appareils nécessaires pour effectuer les analyses suivantes:

(a) la détermination de la concentration des sédiments par (1) filtration, (2) évaporation, et (3) détermination des matières dissoutes totales par évaporation.
(b) l'analyse granulométrique (1) par extraction des sédiments déposés dans un tube, (2) par l'emploi de tamis et (3) par l'utilisation d'un hydromètre.

La méthode par évaporation consiste à faire évaporer l'eau d'un échantillon de sédiments décanté et à corriger les résultats pour tenir compte des matières dissoutes. La quantité de celles-ci est déterminée en faisant évaporer une partie de l'eau de l'échantillon décanté. Dans la méthode par filtration, on utilise sous vide des creusets de Gooch munis d'un filtre Reeve Angel 934AH et d'un préfiltre Millipore AP20.

Particle-size analysis was carried out for some suspended sediment samples having gross weights in the range of 0.15 to 5 g using the Bottom Withdrawal Tube method. The particle-size distribution of the Bottom Withdrawal Tube method ranges from 0.002 to 1.000 mm. The Sieve analysis method may be used for samples with a large amount of material coarser than 0.062 mm.

The particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)
Clay	0.000 24 - 0.004
Silt	0.004 - 0.062
Sand	0.062 - 2.0
Gravel	2.0 - 64.0

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analyzed in distilled water. Chemical dispersion is not used for native-water analysis.

6. *Accuracy and Reliability of Field Data and Computed Results*

The overall accuracy and degree of reliability of the sediment data is dependent upon many factors. Some of the more important of these are:

(a) accuracy and reliability of streamflow records;
(b) regime of the river;
(c) type of sampling equipment used to collect the suspended sediment samples;
(d) frequency of suspended sediment discharge measurements;
(e) frequency of individual sampling;
(f) quality of the relationship between the average suspended sediment concentration in the cross section and the concentration of the individual samples;
(g) frequency and method of bed material sampling;
(h) frequency and method of bed load measurements;
(i) accuracy and reliability of the laboratory analysis;
(j) selected methods of computation of the suspended sediment discharge;
(k) interpretation and extrapolation of sediment records.

An assessment of the quality of the records can be made by an examination of the occurrence of the symbol (S) on the daily mean concentrations.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those records obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

Une analyse granulométrique a été effectuée pour certains échantillons de sédiments en suspension ayant un poids brut dans l'intervalle de 0.15 à 5 g par la méthode de la burette (extraction des sédiments déposés, à divers intervalles). La distribution de la taille des particules déterminée par cette méthode varie de 0.002 à 1.000 mm. La méthode de tamisage peut être employée pour les échantillons ayant une forte quantité de particules de taille supérieure à 0.062 mm.

La classification granulométrique qui est utilisée dans la présente publication est conforme aux recommandations faites par l'*American Geophysical Union Subcommittee on Sediment Terminology*. La classification est la suivante:

Classification	Taille (mm)
Argile	0.000 24 - 0.004
Limon	0.004 - 0.062
Sable	0.062 - 2.0
Gravier	2.0 - 64.0

La répartition granulométrique qui est fournie dans cette publication, n'est pas obligatoirement représentative de toutes les particules qui sont transportées par un cours d'eau donné. La plupart des matières organiques sont extraites de l'échantillon qui est ensuite soumis à une dispersion mécanique et chimique avant d'être analysé dans de l'eau distillée. La dispersion chimique ne sert pas à l'analyse de l'eau naturelle.

6. *Exactitude des données et des résultats*

L'exactitude des données sur les sédiments dépend de nombreux facteurs. On peut citer, parmi les plus importants:

(a) l'exactitude des données sur les débits;
(b) le régime d'un cours d'eau;
(c) le type d'appareil d'échantillonnage utilisé pour prélever les échantillons de sédiments en suspension;
(d) la fréquence des mesures du débit des sédiments en suspension;
(e) la fréquence des échantillonnages isolés;
(f) la qualité du rapport entre la concentration moyenne des sédiments en suspension dans une section transversale et la concentration des échantillons isolés;
(g) la fréquence des échantillonnages des matériaux de fond et la méthode utilisée;
(h) la fréquence des mesures du charriage de fond et la méthode utilisée;
(i) l'exactitude des analyses de laboratoire;
(j) les méthodes de calcul du débit des sédiments en suspension;
(k) l'interprétation et l'extrapolation des données sur les sédiments.

La qualité des données peut être évaluée d'après la fréquence d'utilisation du symbole (S), avec les données sur la concentration journalière moyenne.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas des petits cours d'eau ou des cours d'eau à crues très rapides.

METHOD OF TABULATION OF SEDIMENT DATA

For stations where the suspended sediment load was obtained, the following data are given where available:

1. The table of *Suspended Sediment Load* includes the daily mean discharge in cubic metres per second, the daily mean concentration in milligrams per litre, and the daily suspended sediment load in tonnes per day. The total monthly discharge and total monthly sediment load are also given for each month of record.

   For stations where the sediment load in tonnes per day are produced for complete or partial years, the *Total Suspended Load* for the period is given in the descriptive information.

   For stations where only suspended sediment concentrations are obtained, the table of *Suspended Sediment Load* will not be given.

   Additional descriptive information about the sediment station is also given and will indicate the following, where applicable.

   Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

   Drainage area – refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station.

   Type of Flow – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

   Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

   (a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.

   (b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.

   International Gauging Station – on waters adjacent to the international boundary, certain gauging stations have been

PRÉSENTATION DES TABLEAUX DE DONNÉES SUR LES SÉDIMENTS

Pour les stations de mesure du débit des sédiments en suspension, les données suivantes sont présentées, pour autant qu'elles sont disponibles:

1. Le tableau concernant le *débit des sédiments en suspension* (The table of Suspended Sediment Load) donne le débit journalier moyen de l'eau, en mètres cubes par seconde, la concentration journalière moyenne, en milligrammes par litre, et le débit journalier des sédiments en suspension, en tonnes par jour. Chaque mois les données indiquent également les débits mensuels totaux de l'eau et des sédiments.

   Dans le cas des stations où le débit des sédiments, en tonnes par jour, est fourni pour une année complète ou une partie de l'année, le total pour la période est indiqué.

   Dans le cas des stations où seule la concentration des sédiments en suspension est obtenue, ce tableau est absent.

   Des renseignements descriptifs additionnels au sujet de la station sont également présentées. On peut y apporter les précisions suivantes:

   Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à une bonne distance de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

   Superficie du bassin versant (Drainage area) – Désigne la zone délimitée par une ligne de faîte de sorte que l'écoulement de surface direct provenant des précipitations est entraîné par gravité vers le cours d'eau, en amont de la station.

   Type de débit (Type of Flow) – Un débit reconnu comme naturel est indiqué. Le débit de nombreux réseaux hydrographiques est modifié par une régularisation effectuée en amont. Dans certains cas, l'importance de cette régularisation n'est pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique, ainsi que l'année où elle a débuté (si elle est connue).

   Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau ou le débit d'un cours d'eau.

   (a) *Manuel* (Manual) – Indique qu'un appareil non enregistreur est employé pour obtenir normalement une fois par jour les données sur le niveau et le débit du cours d'eau.
   (b) *Enregistreuse* (Recording) – Indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux qui est tracé sur un graphique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.

   Station internationale de jaugeage (International Gauging Station) – Dans les eaux contiguës aux frontières, on a

designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Contributed Data – if data were supplied in their entirety or partially by an outside agency, the name of this co-operating agency is given.

Remarks – contains a statement pertaining to the sediment sample collection.

2. The table of *Instantaneous Suspended Sediment Concentration* for depth-integrating samples includes the following: Date and Time of the sample collection; Water Temperature; Instantaneous Discharge at time of sampling, (if not available the daily mean discharge is given and indicated by a symbol); Single Sampling Vertical location; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used. The particle-size distribution of Sand, Silt and Clay, in percent is given where available.

The Single Sampling Vertical Location is defined by many symbols, which are as follows, where applicable:

DIGITS - 5, 14, 130, etc., is the distance in metres from the initial point
WERB - Water's Edge RIGHT Bank
WELB - Water's Edge LEFT Bank
1QRB - One-quarter the distance FROM the RIGHT Bank
3QRB - Three-quarters the distance FROM the RIGHT Bank
1QLB - One-quarter the distance FROM the LEFT Bank
3QLB - Three-quarters the distance FROM the LEFT Bank
MID - MID STREAM
MULT - Composite sediment measurement

For the suspended sediment measurements, the Date; Time; Water Temperature at time of sampling; Discharge computed for each sampling panel; Concentration; Sampling Vertical; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used; and the Particle-size distribution of the Sand, Silt and Clay, in percent is given where available.

3. The table of *Point Integrating Particle-size of Suspended Sediment* includes the following: Date and Time of the sample collection; Water Temperature; Panel Discharge for each sampling vertical; Sampling Vertical; Depth of Sample; Concentration of Sample in milligrams per litre; Dissolved Solids, in milligrams per litre, and the Particle-size distribution in percent of the Sand, Silt and Clay are also given.

désigné certaines stations comme «internationales», et les données obtenues sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publications et dans les *United States Water Supply Papers* sont dues à des variantes dans les techniques de traitement automatique des données.

Données fournies (Contributed Data) – Lorsqu'un organisme extérieur a fourni toutes les données ou une partie des données, son nom est indiqué.

Remarques (Remarks) – Renseignements au sujet du prélèvement des échantillons de sédiments.

2. Le tableau des *concentrations instantanées de sédiments en suspension* (The table of Instantaneous Suspended Sediment Concentration) pour les échantillons obtenus par intégration selon la profondeur comprend: la date et l'heure de prélèvement; la température de l'eau; son débit instantané au moment de l'échantillonnage (s'il n'est pas connu, le débit journalier moyen, avec symbole); l'emplacement de la verticale d'échantillonnage; la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé; et la granulométrie du sable, du limon et de l'argile, en pourcentage des particules est donnée lorsqu'elle est disponible.

Le site vertical d'échantillonnage unique est défini par plusieurs symboles dont les suivants dans certains cas :

CHIFFRE - 5, 14, 130, etc., désigne la distance en mètres à partir du point initial
WERB - Bord de l'eau, rive DROITE
WELB - Bord de l'eau, rive GAUCHE
1QRB - Un quart de la distance À PARTIR de la rive DROITE
3QRB - Trois quarts de la distance À PARTIR de la rive DROITE
1QLB - Un quart de la distance À PARTIR de la rive GAUCHE
3QLB - Trois quarts de la distance À PARTIR de la rive GAUCHE
MID - MI-DÉBIT
MULT - Mesure des sédiments mixtes

Pour les mesures des sédiments en suspension, la date, l'heure, la température de l'eau au moment de l'échantillonnage, le débit calculé pour chaque tranche de la section d'échantillonnage, la concentration et la verticale d'échantillonnage, la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé; et la granulométrie du sable, du limon et de l'argile, en pourcentage des particules est donnée lorsqu'elle est disponible.

3. Le tableau de la *granulométrie des échantillons ponctuels et intégrés des sédiments en suspension* (The table of Point Integrating Particle-size of Suspended Sediment) comprend: la date et l'heure de prélèvement de l'échantillon, la température de l'eau, le débit de la tranche de la section pour chaque verticale d'échantillonnage, la verticale d'échantillonnage, la profondeur de l'échantillon, la concentration des échantillons, en milligrammes par litre, la concentration des matières dissoutes, en milligrammes par litre, et granulométrie du sable, du limon et de l'argile.

4. The table of *Bed Load Particle-size* includes the following: Date and Time of the sample collection; Panel Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed load collected.

5. The table of *Bed Material Particle-size* includes the following: Date and Time of the sample collection; Panel Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed material collected.

6. The table of *Historical Sediment Data Summary* gives the following, for the period of record, where applicable.

   (a) Record Summary
   (b) Type of Sampling
   (c) Sampled Concentration, maximum and minimum
   (d) Suspended Sediment Load, maximum daily and the total, for the period, in tonnes
   (e) Summary, including mean load, the historical mean load and the standard error of the mean in percent.

(a) The *Record Summary* gives the months of record that data are available. If the complete month is on file the symbol (C) is shown, while partial months of data are indicated by the symbol (P). Months with no data on file are indicated by (-).

(b) The *Type of Sampling* indicates the type of sampling method used to collect the sediment samples during the period of operation. If the samples were collected by manual methods this is indicated by "MANUAL." If the samples were collected by a pump sampler or some other automatic method this is indicated by "AUTO." If both manual and automatic sampling methods were used this is indicated by "DUAL."

(c) The *Sampled Concentration* gives the maximum and minimum concentration, in milligrams per litre, and the date of collection for each year of record. The extreme recorded for the period of record is indicated by an asterisk (*).

(d) The *Suspended Sediment Load* gives the maximum daily load, in tonnes, and the date of occurrence. The extreme recorded is indicated by an asterisk (*). The Total for the Period gives the total load for the period or year, in tonnes. The extreme recorded is also indicated by an asterisk (*). A load which has been revised since the previous publication is marked with the symbol (R) for Revision.

4. Le tableau de la *granulométrie des sédiments charriés* (The table of Bed Load Particle-size) comprend: la date et l'heure de prélèvement de l'échantillon, le débit de la tranche de la section, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli du charriage.

5. Le tableau de la *granulométrie des matériaux du lit* (The table of Bed Material Particle-size) comprend: la date et l'heure de prélèvement de l'échantillon, le débit de la tranche de la section, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli.

6. Le tableau du *sommaire chronologique des données sur les sédiments* (The table of Historical Sediment Data Summary) donne, pour la période pour laquelle les données sont disponibles, les renseignements suivants lorsque de telles données existent:

   (a) Le sommaire du relevé
   (b) Le type d'échantillonnage
   (c) Les concentrations mesurées, maximum et minimum
   (d) Le débit des sédiments en suspension, maximum quotidien et le total pour la période en tonnes
   (e) Résumé, comprend le débit moyen, le débit moyen chronologique et l'erreur type de la moyenne en pourcentage.

(a) Le *sommaire du relevé* donne les mois de relevé pour lesquels les données sont disponibles. Le symbole (C) indique que les données sont disponibles pour tout le mois. Le symbole (P) indique que ces données ne sont disponibles que pour une partie du mois. Enfin, on indique par (-) les mois qui n'ont pas de données.

(b) Le *type d'échantillonnage* indique le type de méthode d'échantillonnage que l'on utilise dans le prélèvement des échantillons de sédiments pendant la période d'exploitation. Si le prélèvement des échantillons se fait par des méthodes manuelles, on indique «MANUEL». Si le prélèvement des échantillons se fait au moyen d'échantillonneur à pompe ou par quelque autre méthode automatique, on indique «AUTO». Si on utilise à la fois des méthodes d'échantillonnage manuelles et automatiques, on indique «DOUBLE».

(c) Pour les *concentrations mesurées* (Sampled Concentration), on donne la concentration maximale et la concentration minimale, en milligrammes par litre, et leur date d'obtention pour chaque année de relevé. La valeur extrême enregistrée est indiquée par un astérisque (*).

(d) Sous le *débit des sédiments en suspension* (Suspended Sediment Load), on donne le débit journalier maximal, en tonnes, et sa date de mesure. Le débit extrême enregistré est indiqué par un astérisque (*). Le débit total pour la période ou pour l'année est indiqué. La valeur extrême est également signalée par un astérisque (*). La lettre R indique qu'une valeur du débit a été révisée depuis la dernière publication.

(e) The *Summary* gives the *Mean Load* and the *Historical Mean Load* in tonnes.

The *Standard Error of the Mean* % is calculated using the following equations:

$$SEM = \frac{S}{\bar{x}\sqrt{n}} \times 100\%$$

and

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n - 1}}$$

where SEM is the Standard Error of the Mean.

- S is the Standard Deviation of the annual mean loads.
- x is the annual Mean Load variable.
- $\bar{x}$ is the Historical Mean Load or the arithmetic mean of the annual Mean Loads.
- n is the number of years for which there is an annual Mean Load.

For stations with only instantaneous samples, this table will not include the *Suspended Sediment Load* or the statistical information in the *Summary*.

CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Data have been mutually exchanged and suspended sediment collection operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain sediment stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining sediment survey records, the Water Survey of Canada is indebted to other federal and provincial organizations which are noted as contributing agencies in the summary for the year. A list of these agencies may be found in the *Sediment Data Reference Index*.

MICROFICHE

All sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

(e) Le *résumé* donne le *débit moyen* et le *débit moyen chronologique*, en tonnes.

L'*erreur-type de la moyenne* % (Standard Error of the Mean), est calculée à l'aide des équations suivantes:

$$SEM = \frac{S}{\bar{x}\sqrt{n}} \times 100\%$$

et

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n - 1}}$$

où SEM est l'erreur type de la moyenne.

- S est l'écart type des débits moyens annuels.
- x est la variable du débit moyen annuel.
- $\bar{x}$ est le débit moyen chronologique ou la moyenne arithmétique des débits moyens annuels.
- n est le nombre d'années où il y a un débit moyen annuel.

Dans le cas des stations ne prélevant que des échantillons instantanés, ce tableau ne donnera pas le *débit des sédiments en suspension* ni les données statistiques du *résumé*.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données sur les sédiments, et l'assistance fournie par certains organismes a facilité les opérations d'échantillonnage des sédiments en suspension.

Dans les eaux adjacentes à la frontière internationale, les stations dépendent du Canada ou des États-Unis selon l'accord intervenu entre les deux pays, et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage» dans la présente publication.

La Division des relevés hydrologiques du Canada est redevable à plusieurs organismes fédéraux et provinciaux, dont les noms apparaissent dans le sommaire de l'année, de l'aide et de la collaboration qu'ils lui ont apportées pour l'obtention des données sur les sédiments. On trouvera également les noms des organismes qui ont fourni des données dans l'*Index de référence des données sur les sédiments*.

MICROFICHE

Toutes les données sur les sédiments sont disponibles sur microfiche en unités métriques. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, la première et la dernière année des données ainsi que le mois et l'année de création de la fiche. La dernière image donne l'index de la fiche.

DEFINITION OF TERMS

The following definitions are given to clarify the terms used in this publication:

Automatic pump sample is an individual water-sediment mixture pumped from a fixed point in a stream.

Bed load is that material moving in almost continuous contact with the streambed, being rolled or pushed along the bottom by the force of the water.

Bed material is the sediment mixture of which the streambed is composed.

Daily load is the suspended sediment load expressed in tonnes for a particular day. The daily load is obtained by multiplying the daily mean sediment concentration (mg/L) by the daily mean discharge (m^3/s) and the conversion factor, 0.0864.

Daily mean concentration is a time-weighted mean value and is computed from a manually constructed concentration curve. The mean concentration value may be determined arithmetically or graphically. The arithmetic mean is obtained either by (1) selecting values from the concentration graph that represents uniform intervals of time and taking the arithmetic average or by (2) selecting values from the graph that represent unequal intervals of time and weighing these values by the time intervals represented by the concentrations. For graphical explanation refer to *Office Procedures for Sediment Data Computations* and for the automated graphical explanation refer to *Automated Hydrometric Computation Procedures.*

Depth-integrated sediment sample is a suspended sediment sample collected at a single vertical in a cross section in a sampler moving vertically at a constant transit rate and represents an average sample for that part of the depth ranging from the water surface to about nine centimetres above the streambed.

Instantaneous suspended sediment sample is a sample collected at a fixed vertical in a river cross section.

Measured suspended sediment discharge is the suspended sediment discharge that can be computed from stream discharge and the concentration of sediment determined from depth-integrated sediment samples.

Particle-size analysis is the process of determining the size distribution of particles in a sediment sample.

Point-integrated sediment sample is a sample of the water-sediment mixture taken over a specified period of time at a fixed point and depth in a river cross section.

DÉFINITION DES TERMES

Les définitions suivantes sont présentées afin de faciliter la compréhension des termes utilisés dans la présente publication:

Échantillonnage automatique à l'aide d'une pompe (Automatic pump sample): Prélèvement d'un mélange de sédiments et d'eau au moyen d'une pompe fonctionnant automatiquement, en un point précis d'un cours d'eau.

Charriage (Bed load): Matières roulées ou poussées sur le fond sous l'action de l'eau, mais restant en contact presque permanent avec le fond.

Matériau du lit (Bed material): Mélange de sédiments composant le lit d'un cours d'eau.

Débit journalier des sédiments en suspension (Daily load): Débit des sédiments en suspension exprimé en tonnes par jour, pour une journée donnée. On l'obtient en multipliant la concentration journalière moyenne des sédiments (mg/L) par le débit journalier moyen de l'eau (m^3/s) et le facteur de conversion 0.0864.

Concentration journalière moyenne (Daily mean concentration): Moyenne pondérée en fonction du temps, calculée à partir d'une courbe de la concentration établie manuellement. La valeur de la concentration moyenne peut être déterminée arithmétiquement ou graphiquement. Pour la déterminer arithmétiquement, on peut, soit choisir sur la courbe des valeurs représentant des intervalles uniformes de temps et faire la moyenne arithmétique, soit choisir sur cette courbe des valeurs qui représentent des intervalles inégaux de temps et pondérer ces valeurs en fonction des intervalles de temps correspondants. En ce qui concerne les méthodes graphiques, consulter *Méthodes de bureau pour les calculs de données sur les sédiments* et, pour la méthode automatisée, *Automated Hydrometric Computation Procedures.*

Échantillon intégré sur toute la profondeur (Depth integrated sediment sample): Échantillon des sédiments en suspension prélevé sur une verticale précise d'une section transversale d'un cours d'eau à l'aide d'un échantillonneur se déplaçant verticalement à une vitesse constante; il représente un échantillon moyen des matières en suspension entre la surface de l'eau et environ 9 cm du fond.

Échantillon instantané de sédiments en suspension (Instantaneous suspended sediment sample): Échantillon prélevé à une verticale précise d'une section transversale d'un cours d'eau.

Débit mesuré des sédiments en suspension (Measured suspended sediment discharge): Débit des sédiments en suspension qui peut être calculé à partir du débit du cours d'eau et de la concentration des sédiments déterminée à partir d'échantillons intégrés sur toute la profondeur.

Analyse granulométrique (Particle-size analysis): Détermination de la répartition de la taille des particules dans un échantillon de sédiments.

Échantillon ponctuel et intégré (Point-integrated sediment sample): Échantillon constitué d'un mélange d'eau et de sédiments, prélevé au cours d'une période de temps donnée en un point précis d'une section transversale d'un cours d'eau et à une profondeur donnée.

Sediment is fragmental material which has deposited, eroded or transported by a flowing stream.

Sediment hydrograph is a graph showing the variation of suspended sediment concentration or sediment discharge with respect to time.

Single sample is a sample taken at a selected permanent vertical in a cross section. Two bottles of water-sediment mixture make up each single sample.

Single sampling vertical is a selected permanent vertical in a cross section in which single suspended sediment samples are collected.

Suspended sediment is sediment that moves in suspension in water either as a colloid or through the influence of the upward component of turbulent currents.

Suspended sediment concentration is the ratio of the weight of dry solids in a water-sediment mixture to the volume of the mixture. The units of this ratio are "milligrams per litre" (mg/L).

Suspended sediment load is the quantity of suspended sediment transported through a cross section per unit of time.

Total sediment load is the sum of the suspended sediment load and the bed load.

Unmeasured sediment load is the difference between total sediment load and measured suspended sediment load.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when the data were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway.

Revisions to daily discharges or sediment data are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Revisions, corrections or additions made to discharges and sediment after January 1, 1980, are indicated by an "R" symbol in the data summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Sédiments (Sediment): Matières fragmentaires qui ont été déposées, érodées ou transportées par un cours d'eau.

Hydrogramme des sédiments (Sediment hydrograph): Graphique représentant la variation de la concentration des sédiments en suspension ou du débit des sédiments en fonction du temps.

Échantillon unique (Single sample): Échantillon prélevé sur une verticale permanente particulière dans une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

Verticale d'échantillonnage unique (Single sampling vertical): Verticale permanente d'une section transversale où des échantillons uniques de sédiments en suspension sont prélevés.

Sédiments en suspension (Suspended sediment): Matériaux qui se déplacent au sein de l'eau, soit sous forme colloïdale, soit sous l'influence des forces ascendantes des courants turbulents.

Concentration des sédiments en suspension (Suspended sediment concentration): Rapport entre le poids des matières solides sèches contenues dans un mélange eau-sédiments et le volume du mélange. Les unités employées sont les «milligrammes par litre» (mg/L).

Débit des sédiments en suspension (Suspended sediment load): Quantité de sédiments en suspension transportés par unité de temps à travers une section transversale d'un cours d'eau.

Débit total des sédiments (Total sediment load): Somme du débit des sédiments en suspension et du débit charrié.

Débit non mesuré des sédiments (Unmeasured sediment load): Différence entre le débit total des sédiments et le débit mesuré des sédiments en suspension.

RÉVISIONS

On a corrigé ou révisé des données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calcul lorsqu'on a enregistré les données sur rubans magnétiques et qu'on a recalculé les moyennes mensuelles à l'aide d'un ordinateur. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de certaines données de base au cours de la révision systématique des données historiques sur le débit, actuellement en cours.

Les corrections apportées aux débits journaliers ou aux données sur les sédiments ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont indiquées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données révisées sur les débits mensuels et annuels moyens et les extrêmes annuels du débit. Les révisions, corrections ou ajouts apportés aux données sur les débits et sur les sédiments après le 1er janvier 1980 sont indiqués par la lettre R dans les résumés des données. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 1.6093 km (kilomètre)

1 cm (centimètre) vaut 0.393 70 pouce
1 m (mètre) vaut 3.2808 pieds
1 km (kilomètre) vaut 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre vaut 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré vaut 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 259.0 ha (hectares)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) vaut 2.4710 acres
1 km^2 (kilomètre carré) vaut 0.386 10 mille carré

1 pied cube vaut 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial vaut 1.2010 gallon américain
1 gallon américain vaut 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour vaut 1.9835 acre-pied
1 pied cube par seconde pendant un jour couvre un volume d'un mille carré par 0.037 19 pouce
1 acre-pied vaut 1.2335 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde vaut 0.6818 mille par heure
1 mille par heure vaut 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètres par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde vaut 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) vaut 35.315 pieds cubes par seconde

1 livre vaut 0.453 59 kg (kilogramme)
1 kg (kilogramme) vaut 2.2046 livres

1 tonne courte (2000 livres) vaut 0.907 18 t (tonne)
1 t (tonne) vaut 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 30 05 N LONG 117 15 36 W
DRAINAGE AREA: 9.07 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING
CONTRIBUTED BY: BRITISH COLUMBIA MINISTRY OF ENVIRONMENT
TOTAL SUSPENDED SEDIMENT LOAD 12.9 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.015	1	0	0.013	3	0	0.011	2	0	1
2	0.014	1	0	0.013	2	0	0.011	2	0	2
3	0.014	2	0	0.013	2 S	0	0.011	2 S	0	3
4	0.014	3	0	0.013	2	0	0.011	2	0	4
5	0.014	3	0	0.013	2	0	0.011	2	0	5
6	0.014	4 S	0	0.012	2	0	0.010	2	0	6
7	0.014	3	0	0.011	2	0	0.010	2	0	7
8	0.013	3	0	0.011	2	0	0.011	2	0	8
9	0.013	3	0	0.011	2	0	0.012	2	0	9
10	0.013	2	0	0.011	2 S	0	0.012	2	0	10
11	0.013	2	0	0.011	2	0	0.013	1	0	11
12	0.012	1	0	0.010	2	0	0.012	2	0	12
13	0.013	1 S	0	0.010	2	0	0.012	2	0	13
14	0.013	1	0	0.010	2	0	0.013	2	0	14
15	0.012	1	0	0.010	2	0	0.015	2	0	15
16	0.012	1	0	0.009	2	0	0.015	3	0	16
17	0.013	1	0	0.010	2	0	0.017	3 S	0	17
18	0.013	1	0	0.009	2 S	0	0.020	4	0.01	18
19	0.013	1	0	0.010	2	0	0.024	4	0.01	19
20	0.013	1 S	0	0.011	2	0	0.024	4	0.01	20
21	0.013	1	0	0.011	2	0	0.025	4	0.01	21
22	0.013	2	0	0.011	2	0	0.021	3	0.01	22
23	0.013	2	0	0.011	2	0	0.019	3	0	23
24	0.013	3	0	0.012	2	0	0.017	3 S	0	24
25	0.013	3	0	0.012	2	0	0.016	3	0	25
26	0.013	4	0	0.011	2	0	0.016	3	0	26
27	0.013	5 S	0.01	0.011	2 S	0	0.016	3	0	27
28	0.013	5	0.01	0.011	2	0	0.015	4	0.01	28
29	0.013	4	0				0.015	4	0.01	29
30	0.013	4	0				0.015	4	0.01	30
31	0.013	3	0				0.015	4 S	0.01	31
TOTAL	0.408		0.02	0.311		0	0.488		0.09	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.020	5	0.01	0.185	4 S	0.06	0.384	1 S	0.03	1
2	0.038	11	0.04	0.277	8 S	0.19	0.395	1 S	0.03	2
3	0.058	3 S	0.02	0.378	8 S	0.26	0.373	1 S	0.03	3
4	0.048	1	0	0.334	5 S	0.15	0.350	1 S	0.03	4
5	0.040	1	0	0.285	4 S	0.10	0.347	0 S	0	5
6	0.044	1	0	0.258	4 S	0.09	0.337	1 S	0.03	6
7	0.043	1	0	0.283	4 S	0.09	0.429	8 S	0.22	7
8	0.049	2 S	0.01	0.280	4 S	0.10	0.418	4 S	0.14	8
9	0.081 E	9	0.07	0.274	3 S	0.08	0.381	2 S	0.07	9
10	0.138 E	11 S	0.13	0.263	2 S	0.08	0.384	2 S	0.08	10
11	0.182 E	11	0.18	0.247	1 S	0.02	0.328	1 S	0.03	11
12	0.205 E	6	0.11	0.228	3 S	0.08	0.309	3 S	0.08	12
13	0.210 E	3	0.06	0.217	2 S	0.04	0.288	2 S	0.05	13
14	0.250 E	1 S	0.02	0.215	2 S	0.04	0.289	2 S	0.05	14
15	0.258	1 S	0.02	0.225	3 S	0.06	0.283	2 S	0.04	15
16	0.247	3 S	0.06	0.273	4 S	0.09	0.228	2 S	0.04	16
17	0.289	4 S	0.10	0.345	8 S	0.27	0.208	1 S	0.02	17
18	0.261	1 S	0.02	0.448	12 S	0.46	0.188	2 S	0.03	18
19	0.235	2 S	0.04	0.555	13 S	0.62	0.188	3 S	0.05	19
20	0.204	1 S	0.02	0.603	10 S	0.52	0.175	3 S	0.05	20
21	0.171	1 S	0.01	0.621	12 S	0.64	0.185	2 S	0.03	21
22	0.147	3 S	0.04	0.684	18 S	1.03	0.183	2 S	0.03	22
23	0.140	3 S	0.04	0.699	17 S	1.03	0.144	1 S	0.01	23
24	0.128	4 S	0.04	0.738	20 S	1.28	0.138	1 S	0.01	24
25	0.119	1 S	0.01	0.735	19 S	1.21	0.131	2 S	0.02	25
26	0.113	1 S	0.01	0.623	9 S	0.48	0.123	2 S	0.02	26
27	0.118	2 S	0.02	0.557	4 S	0.19	0.113	1 S	0.01	27
28	0.135	3 S	0.03	0.523	3 S	0.14	0.108	2 S	0.02	28
29	0.152	4 S	0.05	0.490	4 S	0.17	0.107	1 S	0.01	29
30	0.158	4 S	0.05	0.435	2 S	0.08	0.103	1 S	0.01	30
31				0.408	2 S	0.07				31
TOTAL	4.302		1.20	12.665		9.84	7.494		1.25	TOTAL

E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.087	1 S	0.01	0.032	3 S	0.01	0.016	0 S	0	1
2	0.082	3	0.02	0.032	3	0.01	0.018	0	0	2
3	0.086	5	0.04	0.032	3	0.01	0.018	1	0	3
4	0.081	5 S	0.03	0.038	2 S	0.01	0.017	1 S	0	4
5	0.078	6	0.04	0.041	2	0.01	0.021	2	0	5
6	0.072	7	0.04	0.034	2	0.01	0.076	3 S	0.02	6
7	0.070	8 S	0.05	0.031	3 S	0.01	0.044	1	0	7
8	0.065	5	0.03	0.032	3	0.01	0.035	1 S	0	8
9	0.064	3	0.02	0.034	3	0.01	0.031	1	0	9
10	0.060	1 S	0.01	0.036	4	0.01	0.029	1	0	10
11	0.057	1	0	0.031	4 S	0.01	0.029	1 S	0	11
12	0.057	1	0	0.035	4	0.01	0.040	1	0	12
13	0.055	1	0	0.034	3	0.01	0.038	2	0.01	13
14	0.051	1 S	0	0.028	2 S	0	0.040	3	0.01	14
15	0.053	0	0	0.030	1	0	0.033	3 S	0.01	15
16	0.051	1	0	0.027	1	0	0.032	4	0.01	16
17	0.050	1 S	0	0.024	1	0	0.030	3	0.01	17
18	0.048	1	0	0.024	1	0	0.029	2 S	0.01	18
19	0.046	1	0	0.024	1 S	0	0.026	2	0	19
20	0.045	1	0	0.024	1	0	0.024	2	0	20
21	0.041	1 S	0	0.031	1 S	0	0.023	1	0	21
22	0.040	1	0	0.027	1	0	0.021	2 S	0	22
23	0.046	1	0	0.025	1	0	0.021	1	0	23
24	0.043	1 S	0	0.024	1	0	0.022	1	0	24
25	0.037	1	0	0.025	2 S	0	0.021	1	0	25
26	0.036	1	0	0.026	2	0	0.020	1	0	26
27	0.034	1	0	0.022	1	0	0.020	1	0	27
28	0.033	2 S	0.01	0.021	1	0	0.019	1	0	28
29	0.033	2	0.01	0.020	1 S	0	0.019	1 S	0	29
30	0.032	3	0.01	0.020	1	0	0.019	1	0	30
31	0.031	3	0.01	0.017	0	0				31
TOTAL	1.684		0.33	0.882		0.13	0.832		0.08	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.018	1	0	0.043	2	0.01	0.022 A	1 S	0	1
2	0.020	2	0	0.038	2	0.01	0.022 A	1	0	2
3	0.020	2	0	0.081	2 S	0.01	0.025 A	1	0	3
4	0.019	2	0	0.082	2	0.01	0.023 A	1	0	4
5	0.020	2	0	0.087	2	0.01	0.023 A	1	0	5
6	0.026	4 S	0.01	0.080	1	0.01	0.023 A	1	0	6
7	0.022	2	0	0.055	1	0	0.023 A	1 S	0	7
8	0.017	2	0	0.054	1	0	0.022 A	1	0	8
9	0.015	2	0	0.047	1 S	0	0.022 A	1	0	9
10	0.018	2	0	0.038	1	0	0.022 A	1	0	10
11	0.019	2	0	0.038	1	0	0.022	1	0	11
12	0.020	2	0	0.038	1	0	0.021	1	0	12
13	0.019	2 S	0	0.036	1	0	0.021	1	0	13
14	0.025	2	0	0.033	1	0	0.021	1	0	14
15	0.029	2	0.01	0.035	0	0	0.021	0 S	0	15
16	0.035	2	0.01	0.035	0	0	0.021	0	0	16
17	0.028	2	0	0.034	0 S	0	0.020	0	0	17
18	0.025	2	0	0.034	0	0	0.021	0	0	18
19	0.023	2	0	0.029	0	0	0.020	1	0	19
20	0.038	1 S	0	0.030	0	0	0.020	1	0	20
21	0.026	1	0	0.028	0	0	0.021	1	0	21
22	0.027	1	0	0.025	0	0	0.021	1 S	0	22
23	0.027	1	0	0.027	0	0	0.021	1	0	23
24	0.027	2	0	0.029	0 S	0	0.021	1	0	24
25	0.048	2	0.01	0.030	1	0	0.021	1	0	25
26	0.037	1	0	0.027 A	1	0	0.020	0	0	26
27	0.051	2 S	0.01	0.025 A	1	0	0.018	1	0	27
28	0.072	4	0.02	0.026 A	1	0	0.019	1 S	0	28
29	0.053	2	0.01	0.024 A	1	0	0.019	1	0	29
30	0.047	2	0.01	0.024 A	1	0	0.019	1	0	30
31	0.041	2	0.01				0.018	1	0	31
TOTAL	0.898		0.10	1.195		0.08	0.653		0	TOTAL

A - MANUAL GAUGE

S - SAMPLE(S) COLLECTED THIS DAY

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		SINGLE SAMPLING VERTICAL		TYPE OF SAMPLER		INSTANT. CONCENT.		DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
												.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(C)	(m^3/s)		(m)				(mg/L)		(mg/L)														
JAN 06	13:22	2.0	0.014	H	WELB		DIP		4		98														
JAN 13	14:50	2.0	0.013		WELB		DIP		1																
JAN 20	14:35	3.0	0.014		WELB		DIP		1		83														
JAN 27	13:55	2.0	0.013		WELB		DIP		5																
FEB 03	14:30	0.1	0.013		WELB		DIP		2		105														
FEB 10	14:32	1.5	0.011		WELB		DIP		2																
FEB 18	10:05	2.0	0.010		WELB		DIP		2		91														
FEB 27	15:40	2.5	0.011		WELB		DIP		2																
MAR 03	14:20	2.0	0.011		WELB		DIP		2		98														
MAR 10	08:45	2.0	0.012		WELB		DIP		2																
MAR 17	20:44	2.0	0.017		WELB		DIP		15	A	107														
MAR 24	09:42	5.0	0.018		WELB		DIP		3		91														
MAR 31	15:08	3.0	0.015		WELB		DIP		4																
APR 03	12:30	3.0	0.061		WELB		DIP		1		80														
APR 08	17:03	3.0	0.050		WELB		DIP		1																
APR 10	08:18	3.0	0.138	Y	WELB		DIP		7																
APR 14	15:15	3.0	0.250	Y	WELB		DIP		1																
APR 15	15:23	3.0	0.067		WELB		DIP		1																
APR 16	08:10	3.5	0.236		WELB		DIP		2																
APR 17	08:10	3.5	0.290		WELB		DIP		4																
APR 18	12:05	4.0	0.281		WELB		DIP		1																
APR 19	13:40	3.0	0.236		WELB		DIP		2		70														
APR 20	10:40	3.0	0.204		WELB		DIP		1																
APR 21	16:20	3.5	0.167		WELB		DIP		2																
APR 22	16:28	3.5	0.145		WELB		DIP		4																
APR 23	12:05	4.0	0.141		WELB		DIP		3																
APR 24	17:10	4.0	0.126		WELB		DIP		4																
APR 25	10:30	4.0	0.118		WELB		DIP		1																
APR 26	07:55	3.0	0.113		WELB		DIP		1																
APR 27	15:55	3.5	0.120		WELB		DIP		3																
APR 28	17:05	4.0	0.136		WELB		DIP		2																
APR 29	15:17	4.0	0.151		WELB		DIP		4		89														
APR 30	11:55	4.0	0.157		WELB		DIP		4																
MAY 01	12:45	4.5	0.177		WELB		DIP		3																
MAY 02	10:45	4.5	0.255		WELB		DIP		5																
MAY 03	12:20	4.0	0.382		WELB		DIP		8																
MAY 04	11:50	4.0	0.368		WELB		DIP		5																
MAY 05	14:00	4.0	0.277		WELB		DIP		4																
MAY 06	14:55	4.5	0.252		WELB		DIP		4																
MAY 07	09:40	4.0	0.258		WELB		DIP		4		88														
MAY 08	12:20	4.0	0.278		WELB		DIP		4																
MAY 09	08:50	4.0	0.274		WELB		DIP		2																
MAY 10	07:41	4.0	0.264		WELB		DIP		3																
MAY 11	15:42	4.0	0.245		WELB		DIP		1																
MAY 12	07:05	4.0	0.232		WELB		DIP		3																
MAY 13	18:20	4.0	0.214		WELB		DIP		3																
MAY 14	15:05	4.0	0.218		WELB		DIP		2																
MAY 15	08:05	3.5	0.213		WELB		DIP		3																
MAY 16	17:00	4.5	0.284		WELB		DIP		6																
MAY 17	14:20	5.0	0.338		WELB		DIP		9																
MAY 18	11:20	5.0	0.418		WELB		DIP		8																
MAY 19	08:30	5.0	0.544		WELB		DIP		10		55														
MAY 20	09:20	4.5	0.598		WELB		DIP		10																
MAY 21	08:25	4.5	0.613		WELB		DIP		8																
MAY 22	07:50	4.5	0.840		WELB		DIP		17																
MAY 23	08:39	4.5	0.881		WELB		DIP		15																
MAY 24	07:10	5.0	0.734		WELB		DIP		19																
MAY 25	11:45	5.5	0.748		WELB		DIP		20																
MAY 26	11:45	5.0	0.613		WELB		DIP		9																
MAY 27	07:15	5.0	0.584		WELB		DIP		5																
MAY 28	07:45	5.0	0.519		WELB		DIP		4																
MAY 29	08:55	5.0	0.494		WELB		DIP		4		59														
MAY 30	07:45	5.0	0.440		WELB		DIP		2																
MAY 31	07:10	5.5	0.411		WELB		DIP		2																
JUN 01	06:35	5.5	0.376		WELB		DIP		1																
JUN 02	09:50	5.0	0.387		WELB		DIP		2																
JUN 03	08:00	5.5	0.375		WELB		DIP		1																
JUN 04	07:50	6.0	0.349		WELB		DIP		1																
JUN 05	09:00	6.0	0.337		WELB		DIP		0																
JUN 06	08:40	5.5	0.334		WELB		DIP		0																
JUN 07	09:30	6.0	0.424		WELB		DIP		5																
JUN 08	09:00	6.0	0.418		WELB		DIP		4		80														
JUN 08	10:00	6.0	0.415		MULT	M	DH48		4		70														
JUN 08	10:24	6.0	0.415		WELB		DIP		5		69														
JUN 09	09:20	5.5	0.383		WELB		DIP		2																
JUN 10	08:37	5.0	0.359		WELB		DIP		2																
JUN 11	09:17	6.0	0.331		WELB		DIP		1																
JUN 12	08:10	7.0	0.313		WELB		DIP		4																
JUN 13	09:30	7.0	0.292		WELB		DIP		3																
JUN 14	08:15	7.0	0.271		WELB		DIP		2																
JUN 15	08:05	7.0	0.258		WELB		DIP		2																
JUN 16	13:50	7.5	0.221		WELB		DIP		3																
JUN 17	08:25	8.0	0.210		WELB		DIP		1		71														
JUN 18	09:10	7.0	0.200		WELB		DIP		2																
JUN 19	11:00	8.0	0.190		WELB		DIP		3																
JUN 20	09:10	8.0	0.178		WELB		DIP		4																
JUN 21	10:40	8.0	0.169		WELB		DIP		3																
JUN 22	12:08	8.5	0.153		WELB		DIP		3																
JUN 23	10:48	7.0	0.148		WELB		DIP		2																
JUN 24	21:00	7.0	0.135		WELB		DIP		2																
JUN 25	09:00	8.0	0.132		WELB		DIP		3																
JUN 26	15:17	8.0	0.120		WELB		DIP		2																
JUN 27	14:50	8.5	0.112		WELB		DIP		2																
JUN 28	10:40	8.5	0.108		WELB		DIP		3		87														
JUN 29	11:40	8.5	0.107		WELB		DIP		1																
JUN 30	09:05	9.0	0.108		WELB		DIP		2																
JUL 01	11:45	8.0	0.098		WELB		DIP		2																
JUL 04	20:55	8.0	0.078		WELB		DIP		5																
JUL 07	18:50	9.5	0.068		WELB		DIP		4		85														
JUL 10	07:48	10.0	0.062		WELB		DIP		2																
JUL 14	08:38	8.0	0.051		WELB		DIP		1																
JUL 17	10:52	10.0	0.050		WELB		DIP		1																
JUL 21	08:44	10.0	0.041		WELB		DIP		1		80														

NOTE : SINGLE VERTICAL LOCATED AT 0.6 METRES FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN; ESTIMATED
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JUL 24	09:15	10.0	0.044	WELB	DIP	1															
JUL 26	19:40	10.0	0.032	WELB	DIP	7	103														
AUG 01	13:55	10.0	0.034	WELB	DIP	4															
AUG 04	11:35	10.0	0.032	WELB	DIP	2															
AUG 07	15:05	10.0	0.031	WELB	DIP	3	95														
AUG 11	15:20	9.5	0.031	WELB	DIP	5															
AUG 14	18:00	9.0	0.028	WELB	DIP	2															
AUG 19	12:30	9.5	0.024	WELB	DIP	1	98														
AUG 21	17:55	9.0	0.028	WELB	DIP	2															
AUG 25	10:09	9.5	0.025	WELB	DIP	1															
AUG 29	14:59	8.5	0.021	WELB	DIP	2	94														
SEP 01	08:50	8.0	0.016	WELB	DIP	0															
SEP 04	11:55	9.0	0.017	WELB	DIP	2															
SEP 06	18:45	8.0	0.089	WELB	DIP	2															
SEP 08	09:57	8.0	0.035	WELB	DIP	2	84														
SEP 11	15:25	9.0	0.029	WELB	DIP	1															
SEP 15	15:05	9.0	0.032	WELB	DIP	5															
SEP 18	18:35	8.5	0.029	WELB	DIP	2															
SEP 22	18:47	8.0	0.021	WELB	DIP	2	92														
SEP 28	08:40	6.0	0.020	WELB	DIP	1															
OCT 06	19:00	7.0	0.030	WELB	DIP	5 G	87														
OCT 13	12:48	6.0	0.020	WELB	DIP	2															
OCT 20	12:57	5.0	0.028	WELB	DIP	1	93														
OCT 27	16:40	5.0	0.059	WELB	DIP	2															
NOV 03	13:55	4.0	0.086	WELB	DIP	2	86														
NOV 09	12:00	3.0	0.048	WELB	DIP	1															
NOV 17	15:55	3.0	0.034	WELB	DIP	0	79														
NOV 24	10:40	1.0	0.028	WELB	DIP	0															
DEC 01	14:50	0.1	0.022 V	WELB	DIP	1	79														
DEC 07	13:40	2.0	0.023 V	WELB	DIP	1															
DEC 15	14:10	2.0	0.021	WELB	DIP	0	82														
DEC 22	13:35	2.0	0.021	WELB	DIP	0															
DEC 28	12:25	1.5	0.019	WELB	DIP	1	83														

NOTE : SINGLE VERTICAL LOCATED AT 0.8 METRES FOR 1985

DISCHARGE SYMBOL(S): V - DAILY MEAN; MANUAL GAUGE
CONCENTRATION SYMBOL(S): G - ORGANIC MATERIAL PRESENT

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1983	CCCCCCCCCCCC	MANUAL	80	MAY 28	0	JAN 09 *	6.78	MAY 28 *	48.7 *	0.13	0.13	---
1984	CCCCCCCCCCCC	MANUAL	126	JUN 11 *	0	FEB 28	3.80	MAY 30	24.5	0.07	0.10	30.0
1985	CCCCCCCCCCCC	MANUAL	20	MAY 25	0	JUN 05	1.28	MAY 24	12.9	0.04	0.08	33.1

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

ARROW CREEK NEAR ERICKSON - STATION NO. 08NN084

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 09 32 N LONG 116 27 04 W
DRAINAGE AREA: 78.7 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

TOTAL SUSPENDED SEDIMENT LOAD 709 TONNES FOR THE PERIOD JAN 01 TO NOV 15

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.270 B	2	0.05	0.232 B	2	0.04	0.285	1	0.02	1
2	0.256 B	2	0.04	0.230 B	2	0.04	0.279	1	0.02	2
3	0.256 B	2	0.04	0.240 B	2	0.04	0.275	1	0.02	3
4	0.264 B	2	0.05	0.251 B	2	0.04	0.281	1	0.02	4
5	0.273 B	2	0.05	0.267 B	2	0.05	0.279	1	0.02	5
6	0.275 B	2	0.05	0.280 B	2	0.05	0.278	1	0.02	6
7	0.276 B	2	0.05	0.290 B	1	0.03	0.276	0	0	7
8	0.285 B	2	0.05	0.294 B	2	0.05	0.280	1	0.02	8
9	0.290 B	2	0.05	0.301 B	1	0.03	0.278	1	0.02	9
10	0.291 B	2	0.05	0.300 B	2	0.05	0.285	1	0.02	10
11	0.291 B	2	0.05	0.299 B	2	0.05	0.284	1	0.02	11
12	0.290 B	2	0.05	0.294 B	2	0.05	0.285	1	0.02	12
13	0.290 B	2	0.05	0.290 B	1	0.03	0.286	1	0.02	13
14	0.287 A	2	0.05	0.288	1	0.02	0.291	1	0.03	14
15	0.285	2	0.05	0.290	2	0.05	0.320	1	0.03	15
16	0.276	2	0.05	0.292	1	0.03	0.347	1	0.03	16
17	0.287	2	0.05	0.290	1	0.03	0.393	1	0.03	17
18	0.287	2	0.05	0.289	1	0.02	0.439	0	0	18
19	0.272	2	0.05	0.279	1	0.02	0.516	0	0	19
20	0.268	2	0.05	0.281	1	0.02	0.489	0	0	20
21	0.294	2	0.05	0.281	1	0.02	0.482	0	0	21
22	0.287	2	0.05	0.282	1	0.02	0.445	0	0	22
23	0.276	2	0.05	0.282	1	0.02	0.428	0	0	23
24	0.281	1	0.02	0.292	1	0.03	0.409	0	0	24
25	0.288	1	0.02	0.289	1	0.02	0.394	0	0	25
26	0.288	2	0.05	0.288	1	0.02	0.373	0	0	26
27	0.287	1	0.02	0.282	1	0.02	0.357	1	0.03	27
28	0.284	1	0.02	0.288	1	0.02	0.355	1	0.03	28
29	0.273 B	2	0.05				0.351	1	0.03	29
30	0.264 B	2	0.04				0.345	1	0.03	30
31	0.244 B	2	0.04				0.337	1	0.03	31
TOTAL	8.624		1.39	7.851		0.91	10.733		0.51	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.355	1	0.03	2.98	4 S	1.03	4.32	2 S	0.75	1
2	0.421	0	0	4.25	12	4.41	4.74	3	1.23	2
3	0.574	0	0	5.93	11 S	5.84	4.34	4 S	1.50	3
4	0.670	1	0.06	5.29	7	3.20	4.22	3	1.09	4
5	0.677	0	0	4.14	4 S	1.43	4.44	3 S	1.15	5
6	0.771	1	0.07	3.77	4	1.30	4.52	5	1.95	6
7	0.868	1	0.07	3.93	4 S	1.36	7.27	25	15.7	7
8	1.07	2	0.18	4.57	3 S	1.18	7.98	13 S	8.98	8
9	1.49	4	0.51	4.44	2 S	0.77	5.55	3	1.44	9
10	2.09	6	1.08	4.28	2	0.74	4.87	2 S	0.84	10
11	2.70	7	1.63	3.93	1 S	0.34	4.44	3	1.15	11
12	2.86	8	1.98	3.53	1	0.30	4 02	11 S	3.82	12
13	3.00	8	2.07	3.35	1 S	0.29	3.89	11	3.51	13
14	3.47	7	2.10	3.43	2	0.59	3.55	5	1.53	14
15	3.49	6	1.81	3.88	5 S	1.68	3.31	2 S	0.57	15
16	3.48	2	0.60	5.40	18 S	8.40	2.93	2	0.51	16
17	3.25	3 S	0.84	8.34	46 S	33.1	2.88	3	0.89	17
18	3.10	2 S	0.54	10.7	57 S	52.7	2.48	3	0.64	18
19	2.75	2	0.48	11.8	50	51.0	2.35	3	0.61	19
20	2.43	1 S	0.21	12.8	42 S	46.4	2.27	3	0.58	20
21	2.15	1	0.19	11.5	92 S	91.4	2.07	3	0.54	21
22	1.89	1 S	0.16	12.2	104 S	110	1.89	3	0.49	22
23	1.74	1	0.15	10.9	91 S	85.7	1.77	3 S	0.46	23
24	1.53	1 S	0.13	10.8	80	56.0	1.68	2	0.29	24
25	1.46	1	0.13	10.1	26 S	22.7	1.55	1	0.13	25
26	1.42	2	0.25	8.29	16	11.5	1.47	1	0.13	26
27	1.55	2 S	0.27	6.30	11 S	5.99	1.39	0	0	27
28	1.93	2	0.33	5.60	6	2.90	1.31	4	0.45	28
29	2.34	2 S	0.40	5.17	5 S	2.23	1.28	4 S	0.44	29
30	2.56	3	0.66	4.79	3	1.24	1.23	1	0.11	30
31				4.41	3	1.14				31
TOTAL	58.086		16.93	200.61		506.85	99.61		51.27	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

ARROW CREEK NEAR ERICKSON - STATION NO. 08NM084

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.18	1	0.10	0.519	1	0.04	0.389	0	0	1
2	1.11	2	0.18	0.523	1	0.05	0.408	0 S	0	2
3	1.08	2	0.18	0.520	1	0.04	0.403	0	0	3
4	1.05	2	0.18	0.545	2	0.09	0.413	1	0.04	4
5	0.991	1	0.09	0.628	2 S	0.11	0.485	2	0.08	5
6	0.955	1	0.08	0.536	1	0.05	0.864	7	0.52	6
7	0.930	1 S	0.08	0.509	1	0.04	0.581	3	0.15	7
8	0.885	1	0.08	0.614	2	0.11	0.548	2 S	0.08	8
9	0.871	1	0.08	0.600	2	0.10	0.579	2	0.10	9
10	0.838	1	0.07	0.708	2	0.12	0.554	2	0.10	10
11	0.817	1	0.07	0.618	3 S	0.18	0.534	4	0.18	11
12	0.802	1	0.07	0.612	3	0.15	0.981	8	0.68	12
13	0.786	1	0.07	0.699	4	0.24	0.724	3	0.19	13
14	0.753	1 S	0.07	0.550	2	0.10	0.678	2	0.12	14
15	0.748	0	0	0.538	1	0.05	0.685	2	0.11	15
16	0.717	1	0.06	0.512	1	0.04	0.645	2	0.11	16
17	0.744	1	0.06	0.479	1	0.04	0.933	5	0.40	17
18	0.726	1	0.06	0.467	1 S	0.04	0.675	1 S	0.08	18
19	0.677	1	0.06	0.473	1	0.04	0.760	2	0.13	19
20	0.673	1	0.06	0.477	1	0.04	0.684	2	0.12	20
21	0.844	2 S	0.11	0.493	1	0.04	0.684	2	0.11	21
22	0.817	2	0.11	0.482	1	0.04	0.618	2 S	0.11	22
23	0.626	2	0.11	0.453	0	0	0.585	2	0.10	23
24	0.627	2	0.11	0.440	0 S	0	0.588	2	0.10	24
25	0.595	2	0.10	0.426	0	0	0.551	2	0.10	25
26	0.577	2	0.10	0.417	0	0	0.535	2	0.09	26
27	0.564	2 S	0.10	0.412	0	0	0.536	1	0.05	27
28	0.545	1	0.05	0.409	0	0	0.511	1	0.04	28
29	0.533	1	0.05	0.398	0	0	0.495	2 S	0.09	29
30	0.532	1	0.05	0.383	0	0	0.491	2	0.08	30
31	0.510	1	0.04	0.400	0	0				31
TOTAL	23.895		2.65	15.851		1.74	18.205		4.06	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.500	2 S	0.09	1.25	5	0.54				1
2	0.488	2	0.09	1.32	7	0.80				2
3	0.547	2	0.09	2.17	15 S	2.81				3
4	0.487	1	0.04	2.73	11	2.89				4
5	0.478	2	0.08	2.44	11	2.32				5
6	0.624	3 S	0.16	2.10	11	2.00				6
7	0.555	2	0.10	1.80	9	1.48				7
8	0.474	2	0.08	1.72	7	1.04				8
9	0.478	3	0.12	1.54	5	0.67				9
10	0.500	3	0.13	1.37	2 S	0.24				10
11	0.522	2	0.09	1.35 B	2	0.23				11
12	0.522	2	0.09	1.27 B	2	0.22				12
13	0.492	2 S	0.09	1.17 B	3	0.30				13
14	0.510	3	0.13	1.06 B	2	0.18				14
15	0.818	5	0.27	1.04 B	2	0.18				15
16	0.771	4	0.27	0.990 B						16
17	0.749	3	0.19	0.980 B						17
18	0.672	2	0.12	0.926 B						18
19	0.678	3 S	0.18	0.908 B						19
20	0.713	3	0.18	0.890 B						20
21	0.788	2	0.13	0.880 B						21
22	0.821	3	0.21	0.820 B						22
23	0.782	3	0.21	0.800 B						23
24	0.805	4	0.28	0.770 B						24
25	1.44	8	1.00	0.740 B						25
26	1.24	4	0.43	0.704 B						26
27	1.32	2 S	0.23	0.683 B						27
28	1.66	4	0.57	0.678 B						28
29	1.49	3	0.39	0.686 B						29
30	1.38	3	0.36	0.660 B						30
31	1.28	4	0.44							31
TOTAL	24.374		6.84	36.484		15.80				TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

ARROW CREEK NEAR ERICKSON - STATION NO. 08NN084

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
APR	17 16:14	5.0	0.881	6.6 M	DH48	3	31														
APR	17 16:20	5.0	0.843	7.8 M	DH48	4	28														
APR	17 16:26	5.0	0.890	8.0 M	DH48	3	31														
APR	17 16:32	5.0	0.832	10.0 M	DH48	3	34														
APR	17 16:38	5.0	0.724	11.6 M	DH48	2	35														
APR	17 16:44	5.0	3.27	MID	DH48	3	34														
APR	18 19:40	3.0	2.87	MID	DH48	3	38														
APR	20 15:11	3.0	2.38	MID	DH48	1															
APR	22 18:05	3.0	1.84	MID	DH48	1															
APR	24 11:21	3.0	1.52	MID	DH48	1															
APR	27 13:42	3.0	1.59	MID	DH48	2	44														
APR	29 19:00	5.0	2.43	MID	DH48	2															
MAY	01 19:00	5.0	3.24	MID	DH48	5															
MAY	03 19:21	4.0	5.90	1ORB	DH48	8															
MAY	05 14:22	5.0	4.05	MID	DH59	3															
MAY	07 18:22	5.0	4.05	MID	DH59	4															
MAY	08 18:50	5.0	4.59	MID	DH59	2	38														
MAY	09 19:38	5.0	4.49	MID	DH59	2															
MAY	11 17:32	3.0	3.84	MID	DH59	1															
MAY	13 19:13	6.0	3.35	MID	DH59	1															
MAY	15 19:29	7.0	4.34	MID	DH59	6															
MAY	16 19:30	6.0	8.59	MID	DH59	31															
MAY	17 19:32	6.0	10.3	MID	DH59	63															
MAY	18 16:34	8.0	12.0	MID	DH59	85															
MAY	20 14:20	8.0	13.1	MID	DH59	42															
MAY	21 18:15	6.0	11.8	MID	DH59	136															
MAY	22 19:56	6.0	13.1	MID	DH59	81	30														
MAY	23 19:50	6.0	11.3	MID	DH59	93															
MAY	25 16:10	6.0	8.58	MID	DH59	22															
MAY	27 18:23	7.0	6.18	MID	DH59	8															
MAY	28 11:45	6.0	1.01	4.8 M	DH48	9	38														
MAY	28 11:47	6.0	1.15	6.4 M	DH48	8	24														
MAY	28 11:49	6.0	1.09	7.8 M	DH48	7	21														
MAY	28 11:51	6.0	0.993	9.0 M	DH48	8	28														
MAY	28 11:53	6.0	1.19	10.3 M	DH48	7	33														
MAY	28 11:55	6.0	5.44	MID	DH48	8	34														
MAY	29 20:18	7.0	5.25	1ORB	DH48	6	23														
JUN	01 12:40	7.0	4.22	1ORB	DH48	2															
JUN	03 18:54	8.0	4.29	1ORB	DH48	3															
JUN	05 19:00	6.0	4.65	1ORB	DH48	3	35														
JUN	08 14:32	7.0	7.35	1ORB	DH48	10															
JUN	10 19:50	8.0	4.80	1ORB	DH48	3															
JUN	12 19:51	8.0	4.02	1ORB	DH48	15	35														
JUN	15 11:27	8.0	3.24	1ORB	DH48	3															
JUN	23 16:50	9.0	1.74	MID	DH48	3	45														
JUN	27 11:51	8.5	0.244	5.2 M	DH48	1	44														
JUN	27 11:55	8.5	0.238	6.6 M	DH48	0	36														
JUN	27 11:59	8.5	0.291	7.8 M	DH48	0	35														
JUN	27 12:03	8.5	0.322	9.0 M	DH48	1	35														
JUN	27 12:07	8.5	0.294	10.4 M	DH48	24 A	20														
JUN	27 12:11	8.5	1.39	MID	DH48	0	35														
JUN	29 10:55	9.0	1.28	MID	DH48	4															
JUL	07 15:46	14.0	0.815	MID	DH48	2															
JUL	14 11:17	11.0	0.752	MID	DH48	1	85														
JUL	21 10:48	12.0	0.580	MID	DH48	8															
JUL	27 12:13	12.0	0.568	MID	DH48	2	78														
AUG	05 17:38	14.0	0.568	MID	DH48	1															
AUG	07 10:16	12.0	0.090	3.4 M	DH48	1	71														
AUG	07 10:20	12.0	0.105	4.6 M	DH48	0	85														
AUG	07 10:24	12.0	0.107	5.7 M	DH48	0	83														
AUG	07 10:28	12.0	0.093	6.8 M	DH48	2	70														
AUG	07 10:32	12.0	0.130	8.5 M	DH48	1	83														
AUG	07 10:36	12.0	0.525	MID	DH48	3	70														
AUG	11 15:30	11.0	0.595	MID	DH48	3	75														
AUG	18 16:17	13.0	0.488	MID	DH48	1															
AUG	24 09:00	10.0	0.441	MID	DH48	0	81														
SEP	02 10:06	10.0	0.408	MID	DH48	0															
SEP	08 11:31	7.0	0.540	MID	DH48	2	78														
SEP	15 17:00	8.0	0.538	MID	DH48	20 A															
SEP	18 16:54	8.0	0.526	MID	DH48	1	75														
SEP	22 18:42	7.0	0.502	MID	DH48	2															
SEP	29 17:37	5.0	0.488	MID	DH48	2	85														
OCT	01 18:48	5.0	0.507	MID	DH48	2															
OCT	06 10:30	5.0	0.625	MID	DH48	2	86														
OCT	08 11:38	2.0	0.378	MID	DH48	2	88														
OCT	13 12:00	3.0	0.490	MID	DH48	1	73														
OCT	18 11:39	4.0	0.668	MID	DH48	3															
OCT	27 14:00	4.0	1.32	MID	DH48	1	80														
NOV	03 14:35	4.0	2.76	MID	DH48	17	59														
NOV	10 11:21	0.1	1.39	MID	DH48	1	80														
NOV	14 12:19	0.1	1.08	MID	DH48	3	80														

NOTE : SINGLE VERTICAL LOCATED AT MID (MID STREAM) FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

ARROW CREEK NEAR ERICKSON - STATION NO. 08NH084

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1979	CCCCCCCCCCCC	MANUAL	30	APR 26	0	FEB 05 *	28.0	MAY 25	240	0.66	0.66	---
1980	CCCCCCCCCCCC	MANUAL	22	MAY 07	0	JAN 03	28.4	APR 29	287	0.78	0.72	8.3
1981	CCCCCCCCCCCC	MANUAL	34	MAY 27	0	FEB 16	63.2	MAY 25	773	3.11	1.18	38.4
1982	CCCCCCCCCCCC	MANUAL	64	JUN 18	0	FEB 05	102	JUN 14	859	2.48	1.80	30.6
1983	CCCCCCCCCCCC	MANUAL	49	MAY 29	0	FEB 11	77.1	MAY 28	902 *	2.47	1.70	23.6
1984	CCCCCCCCCCCC	MANUAL	127	MAY 30	0	MAR 1	94.8	MAY 30	880	1.83	1.87	19.8
1985	CCCCCCCCCCP-	MANUAL	136	MAY 21 *	0	JUN 27	110	MAY 22 *	709	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08MB048

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 48 54 55 N LONG 124 39 52 W
DRAINAGE AREA: 10.1 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 75.9 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.095	7 S	0.06	0.100	1 S	0.01	0.243	3 S	0.06	1
2	0.100	5	0.05	0.098	1 S	0.01	0.217	3 S	0.06	2
3	0.113	5	0.05	0.087	1	0.01	0.184	3	0.05	3
4	0.138	4 S	0.05	0.078	1 S	0.01	0.418	5 S	0.18	4
5	0.281	9	0.11	0.074	2 S	0.01	1.88	5 S	0.87	5
6	0.266	4	0.10	0.134	2 S	0.02	0.882	4 S	0.31	6
7	0.224	4 S	0.08	0.218	1 S	0.02	0.402	4 S	0.14	7
8	0.181	4	0.06	0.139	1 S	0.01	0.278	3	0.07	8
9	0.154	4	0.05	0.111	1 S	0.01	0.230	3 S	0.06	9
10	0.145	3 S	0.04	0.147	2 S	0.03	0.188	2	0.03	10
11	0.128	3 S	0.03	4.38	16 S	6.05	0.175	2 S	0.03	11
12	0.124	2 S	0.02	1.46	8 S	1.15	0.184	2	0.03	12
13	0.123	2	0.02	0.857	6	0.45	0.147	1 S	0.01	13
14	0.213	5 S	0.08	0.863	6 S	0.47	0.137	1	0.01	14
15	0.351	5 S	0.15	1.04	6 S	0.45	0.123	1 S	0.01	15
16	0.240	4 S	0.08	0.885	6 S	0.34	0.114	1 S	0.01	16
17	0.251	5 S	0.11	0.479	6 S	0.33	0.120	2	0.02	17
18	0.365	4 S	0.13	0.331	5	0.14	0.123	2 S	0.02	18
19	0.303	3 S	0.08	1.01	3 S	0.28	0.120	1 S	0.01	19
20	0.343	3 S	0.09	0.783	2 S	0.14	0.351	2 S	0.08	20
21	0.247	3 S	0.06	0.572	2 S	0.10	0.834	3 S	0.18	21
22	0.185	2	0.03	0.636	2 S	0.14	1.13	4 S	0.39	22
23	0.173	2	0.03	0.708	1 S	0.08	1.94	7 S	1.17	23
24	0.154	2 S	0.03	2.92	4 S	1.01	1.31	8	0.91	24
25	0.140	2 S	0.02	0.767	3	0.20	0.882	7 S	0.54	25
26	0.126	1	0.01	0.388	3	0.10	0.484	6	0.26	26
27	0.118	1	0.01	0.300	3	0.08	0.337	5 S	0.15	27
28	0.114	0 S	0	0.287	3	0.07	0.290	4 S	0.10	28
29	0.106	0 S	0				0.272	5 S	0.12	29
30	0.102	1	0.01				2.02	8 S	1.40	30
31	0.094	1	0.01				2.34	4 S	0.81	31
TOTAL	5.914		1.87	18.716		11.88	17.847		7.85	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	2.74	3 S	0.71	0.381	1 S	0.03	0.078	1	0.01	1
2	2.06	1 S	0.16	0.352	2 S	0.08	0.073	1 S	0.01	2
3	0.833	1	0.08	1.13	5 S	0.58	0.070	1	0.01	3
4	0.661	3 S	0.10	1.18	4	0.41	0.188	1 S	0.02	4
5	0.398	2	0.07	0.600	4 S	0.21	0.214	1 S	0.02	5
6	0.343	2	0.06	0.480	4 S	0.17	0.182	1 S	0.01	6
7	0.337	2	0.06	0.784	5 S	0.34	0.234	1 S	0.02	7
8	0.332	1	0.03	0.514	4 S	0.18	0.238	1	0.02	8
9	0.326	1 S	0.03	0.384	4 S	0.13	0.184	1 S	0.01	9
10	0.307	2	0.06	0.334	2 S	0.06	0.115	1	0.01	10
11	1.06	6	0.52	0.285	2	0.05	0.088	1 S	0.01	11
12	1.26	12 S	1.33	0.333	3 S	0.06	0.089	1 S	0.01	12
13	0.830	8	0.55	0.280	4 S	0.09	0.087	1	0.01	13
14	0.603	6	0.43	0.310	4 S	0.11	0.138	1 S	0.01	14
15	0.422	3 S	0.11	0.333	3 S	0.06	0.180	1	0.02	15
16	0.304	3	0.08	0.200	3 S	0.05	0.122	1	0.01	16
17	0.288	3 S	0.06	0.178	2 S	0.03	0.098	1	0.01	17
18	0.376	3 S	0.10	0.183	1	0.01	0.085	1	0.01	18
19	0.306	2	0.06	0.143	2 S	0.02	0.083	1	0.01	19
20	0.337	2	0.06	0.134	2	0.02	0.088	1 S	0.01	20
21	0.198	2 S	0.03	0.134	2	0.02	0.084	1 S	0.01	21
22	0.208	2	0.04	0.114	2 S	0.02	0.088	1	0.01	22
23	0.745	5	0.35	0.096	2	0.02	0.043	1	0	23
24	0.586	3 S	0.15	0.088	2 S	0.02	0.043	1 S	0	24
25	0.365	3 S	0.09	0.095	2	0.02	0.045	1 S	0	25
26	1.99	10 S	1.72	0.085	3	0.02	0.040	1 S	0	26
27	3.85	12 S	2.78	0.076	3 S	0.02	0.037	1	0	27
28	1.09	4 S	0.38	0.071	3 S	0.02	0.034	1 S	0	28
29	0.726	2	0.13	0.073	2 S	0.01	0.031	0	0	29
30	0.480	1 S	0.04	0.109	2	0.02	0.032	1	0	30
31				0.101	1 S	0.01				31
TOTAL	23.231		10.91	8.283		2.88	2.885		0.27	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.028	1	0	0.004	0 S	0	0.058	0	0	1
2	0.031	1	0	0.004	0 S	0	0.037	0 S	0	2
3	0.030	1	0	0.004	0 S	0	0.023	0 S	0	3
4	0.026	1	0	0.004	0	0	0.018	0 S	0	4
5	0.024	1 S	0	0.003	0 S	0	0.018	0 S	0	5
6	0.022	1	0	0.003	0 S	0	0.018	0 S	0	6
7	0.019	1	0	0.004	0 S	0	0.014	0 S	0	7
8	0.018	1	0	0.012	0 S	0	0.014	0	0	8
9	0.019	1	0	0.013	0 S	0	0.014	0 S	0	9
10	0.018	1	0	0.011	0 S	0	0.018	0 S	0	10
11	0.014	1	0	0.012	0	0	0.013	0 S	0	11
12	0.014	1	0	0.013	0 S	0	0.382	5 S	0.16	12
13	0.013	1	0	0.011	0 S	0	0.850	8	0.49	13
14	0.013	1	0	0.009	0 S	0	1.38	11 S	1.31	14
15	0.011	1	0	0.008	0 S	0	0.519	7	0.31	15
16	0.008	1 S	0	0.010	0 S	0	0.258	3 S	0.07	16
17	0.009	1	0	0.009	0 S	0	0.209	1 S	0.02	17
18	0.010	1 S	0	0.008	0	0	0.145	0 S	0	18
19	0.009	1	0	0.005	0 S	0	0.100	0	0	19
20	0.008	0	0	0.006	0 S	0	0.080	0 S	0	20
21	0.006	0	0	0.007	0	0	0.067	0 S	0	21
22	0.007	0 S	0	0.007	0	0	0.080	0	0	22
23	0.005	0 S	0	0.008	0	0	0.053	0 S	0	23
24	0.005	0	0	0.006	0	0	0.044	0 S	0	24
25	0.004	1	0	0.006	0	0	0.038	0 S	0	25
26	0.004	1 S	0	0.005	0	0	0.029	0	0	26
27	0.005	1	0	0.004	0	0	0.026	0 S	0	27
28	0.004	1	0	0.004	0 S	0	0.021	0 S	0	28
29	0.005	1 S	0	0.004	0 S	0	0.020	0	0	29
30	0.005	0 S	0	0.012	0 S	0	0.018	0 S	0	30
31	0.004	0 S	0	0.102	0 S	0				31
TOTAL	0.389		0	0.314		0	4.620		2.36	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.018	0 S	0	4.89	14 S	5.04	0.081	1	0.01	1
2	0.019	0 S	0	1.86	2 S	0.32	0.057	1	0	2
3	0.018	0 S	0	1.12	2	0.18	0.432	5	0.19	3
4	0.020	0 S	0	0.777	3 S	0.20	3.85	18	5.85	4
5	0.021	0 S	0	1.07	4 S	0.37	3.84	12	3.98	5
6	0.018	0	0	1.23	2 S	0.21	1.91	4	0.88	6
7	0.017	0 S	0	0.886	2 S	0.15	1.07	4	0.37	7
8	0.016	0 S	0	0.474	2 S	0.08	0.972	6	0.50	8
9	0.017	0 S	0	0.332	2 S	0.05	0.459	5 S	0.20	9
10	0.223	4 S	0.08	0.261	2	0.05	0.316	3 S	0.08	10
11	1.37	8 S	0.95	0.209	2 S	0.04	0.253	3	0.07	11
12	0.480	3	0.12	0.175	2 S	0.03	0.203	2 S	0.04	12
13	1.79	6 S	0.93	0.160	3	0.04	0.160	2 S	0.03	13
14	3.55	11 S	3.37	0.145	3	0.04	0.167	2	0.03	14
15	3.61	9 S	2.81	0.865	8	0.48	0.152	2	0.03	15
16	2.50	5 S	1.08	0.691	6	0.35	0.143	2 S	0.02	16
17	3.18	6 S	1.65	0.333	4	0.12	0.136	2 S	0.02	17
18	1.05	3 S	0.27	0.252	2	0.04	0.126	1	0.01	18
19	3.39	8 S	1.76	0.210	2	0.04	0.116	1 S	0.01	19
20	2.09	3 S	0.54	0.177	2	0.03	0.116	1 S	0.01	20
21	4.50	7 S	2.72	0.151	2	0.03	0.108	1 S	0.01	21
22	3.24	3 S	0.84	0.124	2	0.02	0.088	0	0	22
23	0.814	2 S	0.16	0.105	2	0.02	0.089	0 S	0	23
24	0.857	2 S	0.17	0.095	2	0.02	0.094	0 S	0	24
25	0.988	2 S	0.17	0.092	2	0.02	0.083	1 S	0.01	25
26	1.20	4 S	0.41	0.080	1	0.01	0.080	0 S	0	26
27	1.81	1	0.16	0.086	1	0.01	0.075	0 S	0	27
28	1.45	2 S	0.25	0.072	1	0.01	0.087	0	0	28
29	0.833	2 S	0.11	0.073	1	0.01	0.085	0	0	29
30	1.05	3 S	0.27	0.069	1	0.01	0.085	0	0	30
31	0.834	2 S	0.11				0.073	0 S	0	31
TOTAL	40.776		18.93	15.974		8.03	15.264		11.33	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 01	14:10	2.2	0.093	10RB	PWS	10	36														
JAN 01	15:10	2.2	0.094	10RB	PWS	23 A															
JAN 02	14:12	3.0	0.100	10RB	PWS	23 A	33														
JAN 03	14:34	3.2	0.115	10RB	PWS	12 A															
JAN 04	14:31	3.0	0.138	10RB	PWS	6															
JAN 05	14:28	3.8	0.295	10RB	PWS	4															
JAN 07	14:38	4.0	0.217	10RB	PWS	6															
JAN 08	15:11	3.4	0.177	10RB	PWS	10															
JAN 09	15:19	3.3	0.161	10RB	PWS	8															
JAN 10	15:17	3.1	0.141	10RB	PWS	6															
JAN 11	15:45	3.6	0.126	10RB	PWS	3															
JAN 12	15:38	4.3	0.122	10RB	PWS	3															
JAN 14	15:44	5.2	0.228	10RB	PWS	5	37														
JAN 15	15:57	4.8	0.340	10RB	PWS	6															
JAN 16	14:10	4.8	0.057	10.7 M	DIP	10	36														
JAN 16	14:11	4.8	0.057	13.7 M	DIP	0	31														
JAN 16	14:12	4.8	0.057	15.2 M	DIP	1	35														
JAN 16	14:14	4.8	0.057	16.8 M	DIP	5	31														
JAN 16	15:40	4.8	0.228	10RB	PWS	6															
JAN 17	13:15	5.2	0.242	10RB	PWS	4															
JAN 18	13:16	5.5	0.380	10RB	PWS	6															
JAN 19	13:12	5.7	0.283	10RB	PWS	4															
JAN 20	13:08	5.0	0.347	10RB	PWS	4															
JAN 21	13:19	4.5	0.241	10RB	PWS	8															
JAN 22	13:20	4.2	0.191	10RB	PWS	18 A															
JAN 24	13:50	3.9	0.152	10RB	PWS	5															
JAN 25	13:25	3.7	0.139	10RB	PWS	5															
JAN 26	13:25	3.7	0.123	10RB	PWS	9															
JAN 28	14:10	4.3	0.114	10RB	PWS	1	39														
JAN 29	14:15	3.5	0.105	10RB	PWS	0															
JAN 31	14:21	4.0	0.089	10RB	PWS	4															
FEB 01	14:27	4.8	0.104	10RB	PWS	3															
FEB 02	14:12	4.8	0.088	10RB	PWS	3															
FEB 04	14:18	3.5	0.075	10RB	PWS	4															
FEB 05	14:14	3.7	0.075	10RB	PWS	5															
FEB 06	14:44	3.9	0.080	10RB	PWS	3															
FEB 07	14:25	3.0	0.197	10RB	PWS	3															
FEB 08	09:30	2.8	0.142	10RB	PWS	4															
FEB 08	14:55	2.8	0.131	10RB	PWS	6	47														
FEB 09	15:15	3.3	0.109	10RB	PWS	2	41														
FEB 10	15:15	3.4	0.143	10RB	PWS	4															
FEB 11	07:05	4.0	3.30	10RB	PWS	11															
FEB 11	08:15	4.0	5.13	10RB	PWS	33															
FEB 11	10:15	4.0	6.45	10RB	PWS	22															
FEB 11	11:15	4.0	7.51	10RB	PWS	19															
FEB 11	12:15	4.0	8.51	10RB	PWS	25															
FEB 11	13:15	4.0	9.10	10RB	PWS	31															
FEB 11	14:15	4.0	8.45	10RB	PWS	27															
FEB 11	16:15	4.0	6.55	10RB	PWS	23															
FEB 11	18:15	4.0	4.99	10RB	PWS	18	40														
FEB 11	20:15	4.0	3.89	10RB	PWS	14															
FEB 11	22:15	4.0	3.05	10RB	PWS	11															
FEB 12	00:15	3.2	2.61	10RB	PWS	8															
FEB 12	02:15	3.2	2.29	10RB	PWS	10															
FEB 12	04:15	3.2	1.98	10RB	PWS	8															
FEB 12	15:15	3.2	1.17	10RB	PWS	10															
FEB 14	15:35	4.5	1.48	10RB	PWS	11															
FEB 15	16:05	4.5	1.61	10RB	PWS	8															
FEB 16	15:35	4.0	0.898	10RB	PWS	12															
FEB 17	15:35	4.5	0.428	10RB	PWS	15	46														
FEB 19	11:45	5.0	0.246	10.7 M	DH48	1	41														
FEB 19	11:47	5.0	0.246	13.7 M	DH48	2	52														
FEB 19	11:50	5.0	0.246	15.2 M	DH48	4	49														
FEB 19	11:53	5.0	0.246	16.8 M	DH48	2	55														
FEB 19	11:55	5.0	0.246	18.3 M	DH48	2	43														
FEB 19	11:56	5.0	1.28	10RB	PWS	5	59														
FEB 20	12:05	4.0	0.780	10RB	PWS	3															
FEB 21	12:05	4.8	0.439	10RB	PWS	5															
FEB 22	12:12	5.2	0.823	10RB	PWS	5															
FEB 23	12:13	5.0	0.588	10RB	PWS	3															
FEB 24	00:19	5.5	2.85	10RB	PWS	7	30														
FEB 24	02:19	5.5	5.02	10RB	PWS	3															
FEB 24	03:19	5.5	5.51	10RB	PWS	15															
FEB 24	04:19	5.5	5.59	10RB	PWS	17															
FEB 24	05:19	5.5	5.14	10RB	PWS	11															
FEB 24	06:19	5.5	4.59	10RB	PWS	9															
FEB 24	08:19	5.5	3.58	10RB	PWS	8															
FEB 24	10:19	5.5	3.04	10RB	PWS	4															
FEB 25	12:30	4.0	0.720	10RB	PWS	2															
FEB 26	12:51	4.8	0.372	10RB	PWS	7															
FEB 27	13:02	4.8	0.287	10RB	PWS	12															
FEB 28	13:13	5.5	0.253	10RB	PWS	1															
MAR 01	13:14	5.0	0.243	10RB	PWS	5	26														
MAR 02	13:25	4.5	0.218	10RB	PWS	5															
MAR 04	13:31	4.5	0.274	10RB	PWS	5															
MAR 05	13:32	4.5	1.73	10RB	PWS	2															
MAR 06	13:36	5.1	0.744	10RB	PWS	7															
MAR 07	13:59	3.9	0.382	10RB	PWS	8															
MAR 08	14:15	4.0	0.272	10RB	PWS	10															
MAR 09	14:16	3.9	0.227	10RB	PWS	8															
MAR 11	14:23	4.0	0.174	10RB	PWS	5	24														
MAR 12	14:34	4.0	0.184	10RB	PWS	10															
MAR 13	14:35	4.5	0.145	10RB	PWS	5															
MAR 14	14:35	5.0	0.135	10RB	PWS	1															
MAR 15	14:45	5.0	0.120	10RB	PWS	3															
MAR 16	15:01	5.0	0.115	10RB	PWS	8															
MAR 18	15:28	6.0	0.122	10RB	PWS	4															
MAR 19	15:28	6.5	0.118	10RB	PWS	3															
MAR 20	15:28	5.2	0.352	10RB	PWS	1															
MAR 21	15:29	4.1	0.548	10RB	PWS	3															
MAR 22	15:30	4.1	1.31	10RB	PWS	5	27														

NOTE : SINGLE VERTICAL LOCATED AT 10RB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.063	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAR 23	10:00	5.0	2.61	10RB	PWS	6															
MAR 23	11:50	5.0	3.29	10RB	PWS	10															
MAR 23	13:40	5.0	3.05	10RB	PWS	17															
MAR 23	15:50	5.0	2.61	10RB	PWS	13															
MAR 25	15:12	4.1	0.756	10RB	PWS	10															
MAR 26	15:03	4.5	0.436	10RB	PWS	18															
MAR 27	15:08	5.0	0.323	10RB	PWS	6															
MAR 28	15:34	4.5	0.282	10RB	PWS	5															
MAR 29	15:35	5.0	0.261	10RB	PWS	9															
MAR 30	12:15	5.0	3.21	10RB	PWS	6															
MAR 30	14:15	5.0	3.10	10RB	PWS	7	26														
MAR 30	15:25	5.0	2.80	10RB	PWS	8															
MAR 30	18:25	5.0	2.54	10RB	PWS	4															
MAR 31	17:05	5.0	2.41	10RB	PWS	5															
MAR 31	18:25	5.0	3.26	10RB	PWS	3															
MAR 31	20:35	5.0	4.33	10RB	PWS	3															
MAR 31	22:35	5.0	5.26	10RB	PWS	3															
MAR 31	23:35	5.0	5.61	10RB	PWS	6															
APR 01	01:35	5.0	5.15	10RB	PWS	3															
APR 01	02:35	5.0	4.74	10RB	PWS	5	23														
APR 01	03:35	5.0	4.36	10RB	PWS	4															
APR 02	00:15	5.5	2.91	10RB	PWS	4															
APR 02	04:25	5.5	2.63	10RB	PWS	2															
APR 02	10:15	5.5	1.62	10RB	PWS	1															
APR 04	15:25	4.5	0.520	10RB	PWS	3															
APR 09	15:57	5.6	0.324	10RB	PWS	2															
APR 10	12:28	7.0	0.314	10RB	PWS	15	A														
APR 10	17:48	7.0	0.288	10RB	PWS	11	A														
APR 12	13:55	7.0	1.14	10RB	PWS	24															
APR 12	17:05	7.0	1.03	10RB	PWS	17	24														
APR 15	17:15	7.2	0.375	10RB	PWS	9															
APR 16	12:45	7.8	0.080	10.7 M	DIP	2	28														
APR 16	12:46	7.8	0.080	13.7 M	DIP	2	30														
APR 16	12:48	7.8	0.080	15.2 M	DIP	2	35														
APR 16	12:50	7.8	0.080	16.8 M	DIP	2	30														
APR 16	12:52	7.8	0.080	18.3 M	DIP	2	33														
APR 17	12:10	7.3	0.284	10RB	PWS	15															
APR 18	12:15	8.5	0.404	10RB	PWS	11															
APR 21	12:30	8.2	0.198	10RB	PWS	9															
APR 24	12:37	8.5	0.588	10RB	PWS	8															
APR 25	12:41	8.2	0.348	10RB	PWS	10															
APR 26	12:45	8.5	1.09	10RB	PWS	17															
APR 26	22:30	8.5	3.88	10RB	PWS	17															
APR 27	00:35	8.0	3.34	10RB	PWS	17															
APR 28	12:43	8.0	0.985	10RB	PWS	5	24														
APR 30	10:00	8.0	0.483	10RB	PWS	1															
APR 30	10:25	8.0	0.120	10.7 M	DIP	5	33														
APR 30	10:26	8.0	0.120	13.7 M	DIP	2	29														
APR 30	10:27	8.0	0.120	15.2 M	DIP	3	33														
APR 30	10:28	8.0	0.120	16.8 M	DIP	2	38														
APR 30	11:35	8.0	0.481	10RB	PWS	1															
MAY 01	11:30	8.8	0.378	10RB	PWS	1															
MAY 02	11:35	7.2	0.344	10RB	PWS	5															
MAY 03	11:40	7.0	1.12	10RB	PWS	7															
MAY 05	12:05	7.0	0.887	10RB	PWS	9															
MAY 06	12:05	7.0	0.451	10RB	PWS	7															
MAY 07	12:10	6.8	0.769	10RB	PWS	11															
MAY 08	12:15	8.5	0.471	10RB	PWS	10															
MAY 09	12:25	7.0	0.358	10RB	PWS	9	27														
MAY 10	12:22	8.0	0.358	10RB	PWS	5															
MAY 12	12:18	8.0	0.222	10RB	PWS	8															
MAY 13	12:44	8.0	0.283	10RB	PWS	6															
MAY 14	13:03	7.2	0.289	10RB	PWS	10															
MAY 15	13:02	7.8	0.228	10RB	PWS	7															
MAY 16	13:05	8.8	0.200	10RB	PWS	2															
MAY 17	13:08	9.7	0.172	10RB	PWS	11															
MAY 19	13:15	9.7	0.142	10RB	PWS	11	A														
MAY 21	13:35	9.2	0.124	10RB	PWS	18	A														
MAY 22	13:55	10.0	0.118	10RB	PWS	8	38														
MAY 23	14:05	10.8	0.095	10RB	PWS	7															
MAY 24	14:15	11.0	0.087	10RB	PWS	11															
MAY 26	14:27	11.3	0.083	10RB	PWS	8															
MAY 27	14:19	11.2	0.076	10RB	PWS	14															
MAY 28	14:32	11.0	0.070	10RB	PWS	10															
MAY 29	14:40	10.8	0.072	10RB	PWS	8															
MAY 30	14:48	10.2	0.118	10RB	PWS	5															
MAY 31	14:48	10.4	0.101	10RB	PWS	6															
JUN 02	14:57	10.8	0.077	10RB	PWS	9															
JUN 04	15:03	10.5	0.223	10RB	PWS	10															
JUN 05	15:01	10.0	0.200	10RB	PWS	8	36														
JUN 06	15:04	10.0	0.147	10RB	PWS	6															
JUN 07	15:32	10.2	0.306	10RB	PWS	7															
JUN 09	15:43	10.8	0.142	10RB	PWS	13															
JUN 10	15:41	11.0	0.111	10RB	PWS	18															
JUN 11	15:54	11.8	0.098	10RB	PWS	7															
JUN 13	11:30	11.2	0.089	10RB	PWS	17															
JUN 13	11:50	11.2	0.022	10.7 M	DIP	2	31														
JUN 13	11:51	11.2	0.022	13.7 M	DIP	3	30														
JUN 13	11:53	11.2	0.022	15.2 M	DIP	3	43														
JUN 13	11:55	11.2	0.022	16.8 M	DIP	2	42														
JUN 14	11:17	11.4	0.115	10RB	PWS	8															
JUN 20	07:22	13.0	0.067	10RB	PWS	12															
JUN 20	11:52	13.0	0.058	10RB	PWS	15	34														
JUN 21	11:55	13.0	0.054	10RB	PWS	8															
JUN 24	12:18	12.0	0.042	10RB	PWS	11															
JUN 25	12:22	12.0	0.048	10RB	PWS	9															
JUN 26	12:30	12.0	0.039	10RB	PWS	12															
JUN 28	12:35	12.0	0.034	10RB	PWS	14															
JUL 04	13:02	13.0	0.028	10RB	PWS	15	A	36													
JUL 05	08:09	13.5	0.023	10RB	PWS	10															
JUL 14	13:52	13.0	0.013	10RB	PWS	16															
JUL 15	13:56	13.7	0.009	10RB	PWS	15															
						12	30														

NOTE : SINGLE VERTICAL LOCATED AT 10RB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1986

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JUL	18	08:59	14.0	0.010	10RB	PWS	1				
JUL	18	09:48	14.0	0.010	10RB	PWS	2				
JUL	18	14:09	14.0	0.010	10RB	PWS	1				
JUL	22	14:56	14.0	0.008	10RB	PWS	1				
JUL	23	14:58	14.0	0.005	10RB	PWS	1				
JUL	24	14:52	13.2	0.008	10RB	PWS	15 A				
JUL	26	15:08	12.8	0.004	10RB	PWS	12 A				
JUL	29	15:32	13.5	0.005	10RB	PWS	7	32			
JUL	30	10:30	13.5	0.005	10.7	DIP	2	40			
JUL	30	10:32	13.5	0.005	15.2	DIP	4	39			
JUL	30	12:05	13.5	0.005	10RB	PWS	2	38			
JUL	31	12:05	14.0	0.004	10RB	PWS	2				
AUG	01	12:09	13.5	0.004	10RB	PWS	1				
AUG	02	12:11	13.5	0.004	10RB	PWS	2				
AUG	03	12:13	14.0	0.005	10RB	PWS	1	36			
AUG	05	12:22	13.0	0.003	10RB	PWS	2				
AUG	06	12:49	13.0	0.003	10RB	PWS	1				
AUG	07	12:51	13.1	0.005	10RB	PWS	3				
AUG	08	12:53	12.1	0.014	10RB	PWS	4				
AUG	09	12:55	13.0	0.013	10RB	PWS	0				
AUG	10	12:37	11.9	0.011	10RB	PWS	2				
AUG	12	13:11	12.2	0.013	10RB	PWS	0				
AUG	13	13:23	12.5	0.010	10RB	PWS	1				
AUG	14	13:15	13.8	0.008	10RB	PWS	0				
AUG	15	13:27	13.0	0.008	10RB	PWS	1	43			
AUG	16	13:39	13.0	0.010	10RB	PWS	2				
AUG	17	13:42	13.0	0.008	10RB	PWS	3				
AUG	19	13:48	13.5	0.005	10RB	PWS	4				
AUG	20	13:51	12.0	0.006	10RB	PWS	3				
AUG	28	14:45	12.0	0.004	10RB	PWS	3				
AUG	29	14:58	11.0	0.004	10RB	PWS	4				
AUG	30	15:11	12.0	0.011	10RB	PWS	2				
AUG	31	15:24	12.0	0.109	10RB	PWS	4				
SEP	02	15:30	11.5	0.034	10RB	PWS	4				
SEP	03	15:33	12.5	0.023	10RB	PWS	1	42			
SEP	04	15:38	12.4	0.018	10RB	PWS	1				
SEP	05	15:44	12.1	0.017	10RB	PWS	1				
SEP	06	15:43	11.9	0.018	10RB	PWS	1				
SEP	07	15:00	10.9	0.014	10RB	PWS	1				
SEP	08	16:21	11.4	0.014	10RB	PWS	1				
SEP	10	16:34	11.8	0.014	10RB	PWS	0				
SEP	11	16:47	11.0	0.014	10RB	PWS	2				
SEP	12	16:30	12.0	0.091	10RB	PWS	3				
SEP	13	16:33	11.4	0.758	10RB	PWS	30 A				
SEP	14	16:48	11.2	1.33	10RB	PWS	11	49			
SEP	16	17:12	11.5	0.243	10RB	PWS	4				
SEP	17	17:16	10.5	0.185	10RB	PWS	3				
SEP	18	17:18	9.8	0.131	10RB	PWS	2				
SEP	19	17:22	10.2	0.084	10RB	PWS	4				
SEP	20	17:45	10.2	0.077	10RB	PWS	1				
SEP	21	17:28	11.0	0.063	10RB	PWS	4				
SEP	23	17:44	10.2	0.053	10RB	PWS	3				
SEP	24	17:57	9.9	0.039	10RB	PWS	1				
SEP	25	16:15	10.0	0.036	10RB	PWS	2				
SEP	27	16:06	10.0	0.024	10RB	PWS	1	41			
SEP	28	16:19	9.5	0.022	10RB	PWS	2				
SEP	30	16:35	9.0	0.018	10RB	PWS	1				
OCT	01	16:28	10.0	0.019	10RB	PWS	30 A				
OCT	02	11:00	11.0	0.020	10RB	PWS	2				
OCT	02	16:50	11.0	0.020	10RB	PWS	2				
OCT	03	16:03	9.8	0.018	10RB	PWS	2				
OCT	04	16:06	9.2	0.020	10RB	PWS	2				
OCT	05	16:19	9.3	0.021	10RB	PWS	3				
OCT	07	16:15	8.9	0.017	10RB	PWS	3				
OCT	08	16:16	7.0	0.015	10RB	PWS	3	39			
OCT	09	16:21	8.6	0.017	10RB	PWS	3				
OCT	10	16:34	9.0	0.068	10RB	PWS	3				
OCT	10	23:39	9.0	2.55	10RB	PWS	25				
OCT	11	01:24	9.5	3.15	10RB	PWS	15				
OCT	11	03:42	9.5	2.41	10RB	PWS	7				
OCT	11	16:42	9.5	0.637	10RB	PWS	6				
OCT	12	16:46	9.5	0.350	10RB	PWS	21 A				
OCT	13	13:46	9.5	2.32	10RB	PWS	8				
OCT	13	15:53	10.0	3.92	10RB	PWS	14				
OCT	13	17:53	10.0	3.47	10RB	PWS	6	53			
OCT	13	19:53	10.0	3.04	10RB	PWS	8				
OCT	13	22:03	10.0	3.26	10RB	PWS	2				
OCT	14	00:03	10.2	4.34	10RB	PWS	8				
OCT	14	01:51	10.2	4.88	10RB	PWS	17				
OCT	14	02:51	10.2	5.40	10RB	PWS	17				
OCT	14	03:51	10.2	5.20	10RB	PWS	22				
OCT	14	04:51	10.2	5.80	10RB	PWS	18				
OCT	14	05:51	10.2	5.78	10RB	PWS	14				
OCT	14	07:48	10.2	5.13	10RB	PWS	8				
OCT	14	08:41	10.2	4.50	10RB	PWS	8	51			
OCT	14	09:41	10.2	3.87	10RB	PWS	17				
OCT	14	10:48	10.2	3.44	10RB	PWS	11				
OCT	14	13:51	10.2	2.58	10RB	PWS	7				
OCT	14	20:06	10.2	1.89	10RB	PWS	8				

NOTE : SINGLE VERTICAL LOCATED AT 10RB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1986

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY

CONTINUED

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
OCT 15	02:24	10.5	2.43	10RB	PWS	8															
OCT 15	04:24	10.5	2.76	10RB	PWS	11															
OCT 15	06:24	10.5	2.83	10RB	PWS	4															
OCT 15	08:44	10.5	2.37	10RB	PWS	5															
OCT 15	13:29	10.5	2.41	10RB	PWS	3															
OCT 15	14:09	10.5	2.88	10RB	PWS	6	40														
OCT 15	16:09	10.5	3.76	10RB	PWS	9															
OCT 15	18:19	10.5	4.49	10RB	PWS	9															
OCT 15	19:19	10.5	5.43	10RB	PWS	21															
OCT 15	20:19	10.5	6.49	10RB	PWS	22															
OCT 15	21:19	10.5	7.45	10RB	PWS	13															
OCT 15	21:49	10.5	7.58	10RB	PWS	9															
OCT 15	22:19	10.5	7.43	10RB	PWS	10															
OCT 15	22:49	10.5	7.17	10RB	PWS	6															
OCT 15	23:09	10.5	6.82	10RB	PWS	9															
OCT 16	00:19	10.0	6.11	10RB	PWS	21															
OCT 16	00:49	10.0	5.77	10RB	PWS	7															
OCT 16	01:19	10.0	5.46	10RB	PWS	5	48														
OCT 16	02:12	10.0	4.91	10RB	PWS	7															
OCT 16	02:42	10.0	4.89	10RB	PWS	2															
OCT 16	04:12	10.0	4.09	10RB	PWS	2															
OCT 16	06:22	10.0	3.33	10RB	PWS	2															
OCT 16	08:22	10.0	2.76	10RB	PWS	3															
OCT 16	10:12	10.0	2.22	10RB	PWS	8															
OCT 16	20:12	10.0	1.20	10RB	PWS	5															
OCT 17	06:16	10.0	4.76	10RB	PWS	4	41														
OCT 17	20:00	10.0	1.97	10RB	PWS	5															
OCT 18	07:48	10.2	1.02	10RB	PWS	4															
OCT 18	14:33	10.2	0.781	10RB	PWS	2															
OCT 18	18:58	10.2	1.07	10RB	PWS	2															
OCT 19	04:31	10.5	3.21	10RB	PWS	5															
OCT 19	06:21	10.5	4.69	10RB	PWS	12															
OCT 19	07:21	10.5	5.22	10RB	PWS	5															
OCT 19	08:21	10.5	5.12	10RB	PWS	4															
OCT 19	09:21	10.5	5.02	10RB	PWS	5															
OCT 19	10:21	10.5	4.86	10RB	PWS	19	48														
OCT 19	11:21	10.5	4.73	10RB	PWS	2															
OCT 19	12:21	10.5	4.51	10RB	PWS	2															
OCT 19	13:21	10.5	4.26	10RB	PWS	4															
OCT 19	14:21	10.5	4.01	10RB	PWS	8															
OCT 19	16:31	10.5	3.34	10RB	PWS	1															
OCT 19	18:31	10.5	2.81	10RB	PWS	2															
OCT 19	20:31	10.5	2.37	10RB	PWS	3															
OCT 20	16:34	9.8	1.70	10RB	PWS	2															
OCT 20	18:54	9.8	3.48	10RB	PWS	8															
OCT 20	20:54	9.8	4.32	10RB	PWS	5	44														
OCT 20	22:44	9.8	4.15	10RB	PWS	2															
OCT 21	00:44	10.0	3.70	10RB	PWS	5															
OCT 21	02:34	10.0	3.27	10RB	PWS	4															
OCT 21	04:27	10.0	2.84	10RB	PWS	2															
OCT 21	06:27	10.0	2.84	10RB	PWS	2															
OCT 21	08:27	10.0	2.62	10RB	PWS	3															
OCT 21	11:47	10.0	5.71	10RB	PWS	6															
OCT 21	12:47	10.0	6.38	10RB	PWS	7															
OCT 21	13:47	10.0	6.88	10RB	PWS	12															
OCT 21	14:17	10.0	7.08	10RB	PWS	8	43														
OCT 21	14:47	10.0	7.01	10RB	PWS	10															
OCT 21	15:47	10.0	6.82	10RB	PWS	8															
OCT 21	16:47	10.0	6.21	10RB	PWS	8															
OCT 21	17:47	10.0	5.67	10RB	PWS	6															
OCT 21	18:47	10.0	5.35	10RB	PWS	6															
OCT 21	19:47	10.0	5.01	10RB	PWS	4															
OCT 21	20:17	10.0	4.86	10RB	PWS	6															
OCT 21	20:57	10.0	4.68	10RB	PWS	5															
OCT 21	21:47	10.0	4.53	10RB	PWS	32	A														
OCT 21	22:12	10.0	4.48	10RB	PWS	1	34														
OCT 21	22:42	10.0	4.53	10RB	PWS	3															
OCT 21	23:27	10.0	4.71	10RB	PWS	51	A														
OCT 21	23:42	10.0	4.84	10RB	PWS	4															
OCT 22	00:47	9.2	5.08	10RB	PWS	11															
OCT 22	01:07	9.2	5.17	10RB	PWS	7															
OCT 22	01:37	9.2	5.35	10RB	PWS	4	45														
OCT 22	02:45	9.2	5.81	10RB	PWS	8															
OCT 22	03:15	9.2	5.89	10RB	PWS	9															
OCT 22	03:45	9.2	5.82	10RB	PWS	3															
OCT 22	04:15	9.2	5.80	10RB	PWS	5															
OCT 22	04:30	9.2	5.89	10RB	PWS	3															
OCT 22	05:30	9.2	5.24	10RB	PWS	2															
OCT 22	06:30	9.2	4.84	10RB	PWS	38	A														
OCT 22	07:00	9.2	4.63	10RB	PWS	4	A														
OCT 22	07:30	9.2	4.42	10RB	PWS	144	A														
OCT 22	08:45	9.2	3.89	10RB	PWS	2															
OCT 22	10:15	9.2	3.31	10RB	PWS	3	34														
OCT 22	12:30	9.2	2.62	10RB	PWS	2															
OCT 22	20:30	9.2	1.43	10RB	PWS	2															
OCT 23	20:43	8.8	0.890	10RB	PWS	2															
OCT 24	18:45	9.0	1.31	10RB	PWS	1															
OCT 25	18:45	8.4	0.770	10RB	PWS	3															
OCT 26	18:30	8.3	1.46	10RB	PWS	1															
OCT 28	18:40	7.5	0.885	10RB	PWS	3															
OCT 29	21:11	7.2	0.863	10RB	PWS	1															
OCT 30	21:14	7.5	0.938	10RB	PWS	3	32														
OCT 31	21:07	8.0	0.827	10RB	PWS	2															

NOTE : SINGLE VERTICAL LOCATED AT 10RB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	SINGLE SAMPLING VERTICAL	TYPE OF SAMPLER	INSTANT. CONCENT.		DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES								PERCENT		
									.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(C)	(m^3/s)	(m)		(mg/L)		(mg/L)														
NOV 01	09:00	9.0	5.46	10RB	PWS	12																
NOV 01	10:00	9.0	7.19	10RB	PWS	13																
NOV 01	11:00	9.0	9.04	10RB	PWS	27																
NOV 01	12:00	9.0	10.8	10RB	PWS	49																
NOV 01	13:00	9.0	11.5	10RB	PWS	33																
NOV 01	14:00	9.0	10.4	10RB	PWS	22																
NOV 01	14:30	9.0	9.71	10RB	PWS	20																
NOV 01	15:00	9.0	9.06	10RB	PWS	12																
NOV 01	16:00	9.0	7.81	10RB	PWS	12		34														
NOV 01	17:00	9.0	6.72	10RB	PWS	11																
NOV 01	18:00	9.0	6.01	10RB	PWS	9																
NOV 01	18:10	9.0	5.29	10RB	PWS	8																
NOV 01	20:20	9.0	4.80	10RB	PWS	5																
NOV 01	21:00	9.0	4.44	10RB	PWS	4																
NOV 01	21:15	9.0	4.32	10RB	PWS	81	A															
NOV 01	23:15	9.0	3.86	10RB	PWS	7																
NOV 02	01:15	8.9	3.41	10RB	PWS	2																
NOV 02	03:18	8.9	2.72	10RB	PWS	1																
NOV 02	21:13	8.9	1.54	10RB	PWS	2																
NOV 04	21:24	8.0	0.725	10RB	PWS	4		32														
NOV 05	21:27	7.8	1.69	10RB	PWS	4																
NOV 06	21:30	7.7	1.18	10RB	PWS	2																
NOV 07	21:48	7.4	0.686	10RB	PWS	3																
NOV 08	21:56	7.2	0.387	10RB	PWS	2																
NOV 09	21:54	6.7	0.299	10RB	PWS	3																
NOV 11	22:00	4.8	0.191	10.7	PWS	2																
NOV 12	14:20	4.7	0.043	13.7	M PIP	2		34														
NOV 12	14:21	4.7	0.043	15.2	M PIP	1		36														
NOV 12	14:23	4.7	0.043	16.8	M PIP	1		35														
NOV 12	14:25	4.7	0.043	18.3	M PIP	1		35														
DEC 09	04:35	3.6	0.540	10RB	PWS	10		38														
DEC 10	04:38	3.2	0.345	10RB	PWS	5																
DEC 11	04:41	3.0	0.270	10RB	PWS	2																
DEC 12	05:04	3.0	0.213	10RB	PWS	4																
DEC 13	05:07	3.2	0.184	10RB	PWS	3																
DEC 14	05:10	4.0	0.173	10RB	PWS	5																
DEC 16	05:26	4.5	0.148	10RB	PWS	3																
DEC 17	05:34	5.0	0.134	10RB	PWS	2																
DEC 18	05:22	4.7	0.132	10RB	PWS	16	A															
DEC 19	05:26	4.4	0.118	10RB	PWS	2																
DEC 20	05:28	3.8	0.116	10RB	PWS	1		36														
DEC 21	06:01	3.5	0.111	10RB	PWS	0																
DEC 23	06:07	3.8	0.100	10RB	PWS	0																
DEC 24	06:20		0.097	10RB	PWS	0																
DEC 25	06:23		0.084	10RB	PWS	2																
DEC 26	06:26		0.081	10RB	PWS	2																
DEC 27	06:29		0.078	10RB	PWS	1																
DEC 28	06:32	3.0	0.070	10RB	PWS	16	A															
DEC 30	06:34	3.5	0.065	10RB	PWS	5																
DEC 31	07:00	4.0	0.073	10RB	PWS	0		38														

NOTE : SINGLE VERTICAL LOCATED AT 10RB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1973	--CCCCCCCCCC	DUAL	86	DEC 16	0	SEP 12 *	57.8	DEC 15	258	---	---	---
1974	CCCCCCCCCCCC	DUAL	87	SEP 16	0	JAN 26	30.1	NOV 24	277	0.76	0.76	---
1975	CCCCCCCCCCCC	DUAL	27	NOV 03	2	JAN 13	32.4	NOV 03	282	0.77	0.77	0.9
1976	CCCCCCCCCCCC	DUAL	17	DEC 07	0	JAN 21	13.8	DEC 07	117	0.32	0.62	23.9
1977	CCCCCCCCCCCC	DUAL	27	FEB 12	0	APR 30	30.6	FEB 12	148	0.40	0.56	21.4
1978	CCCCCCCCCCCC	DUAL	88	NOV 07	0	JAN 14	97.5	NOV 07	316	0.59	0.57	18.1
1979	CCCCCCCCCCCC	DUAL	41	DEC 17	0	JAN 17	47.8	DEC 17	198	0.54	0.56	13.4
1980	CCCCCCCCCCCC	DUAL	24	NOV 04	1	JAN 07	70.8	DEC 26	278	0.75	0.59	11.6
1981	CCCCCCCCCCCC	DUAL	17	FEB 16	0	FEB 10	14.3	OCT 31	124	0.34	0.56	12.0
1982	CCCCCCCCCCCC	DUAL	45	OCT 22	0	JAN 03	53.1	JAN 23	250	0.68	0.57	10.7
1983	CCCCCCCCCCCC	DUAL	49	FEB 11	0	JAN 15	84.7	FEB 11	238	0.65	0.55	9.5
1984	CCCCCCCCCCCC	DUAL	842	JAN 4 *	0	MAY 19	152	JAN 04 *	307 *	0.84	0.60	9.3
1985	CCCCCCCCCCCC	DUAL	144	OCT 22	0	JAN 18	8.05	FEB 11	76.8	0.21	0.57	10.6

DUAL - MANUAL AND AUTOMATIC SAMPLING

C - COMPLETE MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NH015

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 12 10 N LONG 118 31 55 W
DRAINAGE AREA: 57.0 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 180 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.300 B	2	0.05	0.222 B	2	0.04	0.308	1	0.03	1
2	0.280 B	2	0.05	0.240 B	2	0.04	0.316	1	0.03	2
3	0.290 B	2	0.05	0.280 B	2	0.05	0.316	1	0.03	3
4	0.309	2	0.05	0.320 B	2	0.06	0.313	1	0.03	4
5	0.309	2	0.05	0.342	1	0.03	0.307	1	0.03	5
6	0.311	2	0.05	0.352	1	0.03	0.313	1	0.03	6
7	0.319	2	0.05	0.369	1	0.03	0.285	1	0.02	7
8	0.317	3	0.08	0.359	1	0.03	0.301	1	0.03	8
9	0.307	3	0.08	0.357	2	0.06	0.311	1	0.03	9
10	0.306	3	0.08	0.352	2	0.06	0.317	1	0.03	10
11	0.315	3	0.08	0.348	2	0.06	0.319	1	0.03	11
12	0.316 E	3	0.08	0.328	2	0.06	0.319	1	0.03	12
13	0.314 E	3	0.08	0.311	2	0.05	0.315	1	0.03	13
14	0.302 A	3	0.08	0.312	2	0.05	0.320	1	0.03	14
15	0.288	2	0.08	0.321	1	0.03	0.337	1	0.03	15
16	0.288	2	0.05	0.325	1	0.03	0.359	1	0.03	16
17	0.280	2	0.05	0.314	1	0.03	0.372	1	0.03	17
18	0.351	2	0.05	0.310	1	0.03	0.397	1	0.03	18
19	0.357	2	0.05	0.308	1	0.03	0.421	1	0.04	19
20	0.359	2	0.05	0.312	1	0.03	0.431	1	0.04	20
21	0.348	2	0.05	0.304	1	0.03	0.428	1	0.04	21
22	0.353	2	0.05	0.311	1	0.03	0.405	1	0.03	22
23	0.361	2	0.05	0.313	1	0.03	0.387	1	0.03	23
24	0.380	2	0.05	0.330	2	0.06	0.385	1	0.03	24
25	0.384	2	0.05	0.322	1	0.03	0.378	1	0.03	25
26	0.387	2	0.05	0.314	1	0.03	0.374	1	0.03	26
27	0.348	2	0.05	0.309	1	0.03	0.386	1	0.03	27
28	0.382	2	0.05	0.307	1	0.03	0.388	1	0.03	28
29	0.338	2	0.05				0.378	1	0.03	29
30	0.223	2	0.04				0.380	1	0.03	30
31	0.210 B	2	0.04				0.384	1	0.03	31
TOTAL	10.044		1.90	8.881		1.10	10.907		0.95	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.426	1	0.04	1.18	8 S	0.80	2.40	7 S	1.45	1
2	0.493	1	0.04	1.48	10	1.28	2.53	8	1.75	2
3	0.511	1	0.04	1.85	9 S	1.28	2.32	5 S	1.00	3
4	0.529	2	0.09	1.48	5	0.63	2.33	5	1.01	4
5	0.535	2	0.09	1.26	3 S	0.33	2.48	8 S	1.71	5
6	0.586	2	0.10	1.23	5	0.53	2.48	8	1.71	6
7	0.617	2	0.11	1.36	4 S	0.47	3.48	15	4.51	7
8	0.688	3	0.18	1.47	3 S	0.38	3.22	11 S	3.06	8
9	0.807	4	0.28	1.42	2 S	0.26	2.39	8	1.85	9
10	0.976	5	0.42	1.36	3	0.36	1.90	6 S	0.98	10
11	1.19	6	0.62	1.29	3 S	0.33	1.88	5	0.73	11
12	1.23	7	0.74	1.19	3	0.31	1.86	5 S	0.72	12
13	1.28	8	0.88	1.17	3 S	0.30	1.87	6	0.87	13
14	1.36	8	0.93	1.24	5	0.54	1.89	6	0.88	14
15	1.38	7	0.82	1.39	6 S	0.98	1.70	7 S	1.03	15
16	1.35	6	0.70	1.81	6 S	0.83	1.87	6	0.87	16
17	1.18	5	0.51	1.77	8 S	1.38	1.81	6	0.83	17
18	1.10	4 S	0.38	2.10	14	2.64	1.68	5	0.67	18
19	1.08	5	0.48	2.85	20	4.88	1.60	4	0.62	19
20	0.956	3 S	0.25	3.09	24 S	6.41	1.47	4	0.51	20
21	0.883	2	0.15	3.12	40 S	11.8	1.34	3	0.35	21
22	0.833	2 S	0.14	3	52 S	16.8	1.24	3 S	0.32	22
23	0.837	3	0.22	3.[illegible]	56 S	19.1	1.16	3	0.30	23
24	0.796	4 S	0.28	4.23	51	18.8	1.11	3	0.29	24
25	0.762	3	0.20	4.03	29 S	10.1	1.08	2	0.19	25
26	0.753	3	0.20	3.85	16	5.05	1.07	2 S	0.18	26
27	0.874	4 S	0.30	3.28	11 S	3.12	1.03	2	0.18	27
28	0.935	5	0.40	2.85	8 S	1.97	1.01	3	0.26	28
29	1.01	4 S	0.35	2.68	9 S	2.08	0.972	4 S	0.34	29
30	1.05	3	0.27	2.59	9	2.01	0.940	3	0.24	30
31				2.46	8	1.70				31
TOTAL	26.918		10.19	88.23		116.62	52.692		29.11	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NH018

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.815	3	0.24	0.520	2	0.09	0.428	3	0.11	1
2	0.880	3	0.23	0.518	2	0.09	0.422	3 S	0.11	2
3	0.848	3	0.22	0.510	2	0.09	0.416	3	0.11	3
4	0.843	3	0.22	0.582	3	0.15	0.410	3	0.11	4
5	0.818	2	0.14	0.570	4 S	0.20	0.415	3	0.11	5
6	0.807	2	0.14	0.515	2	0.09	0.431	2	0.07	6
7	0.784	2 S	0.14	0.505	3 S	0.13	0.422	2	0.07	7
8	0.762	2	0.13	0.550	2	0.10	0.432	2 S	0.07	8
9	0.730	2	0.13	0.568	2	0.10	0.488	3	0.13	9
10	0.721	1	0.08	0.625	2	0.11	0.485	3	0.13	10
11	0.705	1	0.08	0.555	3 S	0.14	0.472	3	0.12	11
12	0.695	1	0.08	0.578	3	0.15	0.553	5	0.24	12
13	0.687	2	0.12	0.574	2	0.10	0.488	4	0.17	13
14	0.676	2 S	0.12	0.524	2	0.09	0.478	4	0.16	14
15	0.685	1	0.08	0.588	3	0.15	0.480	5 S	0.20	15
16	0.841	1	0.08	0.519	3	0.13	0.458	5	0.24	16
17	0.882	2	0.11	0.503	3	0.13	0.808	7	0.37	17
18	0.842	2	0.11	0.478	3 S	0.12	0.540	4 S	0.19	18
19	0.820	2	0.11	0.448	3	0.12	0.487	3	0.13	19
20	0.812	2	0.11	0.453	3	0.12	0.484	3	0.12	20
21	0.812	3 S	0.18	0.453	3	0.12	0.455	3	0.12	21
22	0.804	3	0.18	0.452	2	0.08	0.428	2 S	0.07	22
23	0.803	3	0.18	0.435	2	0.08	0.390	1	0.03	23
24	0.892	2	0.10	0.420	2 S	0.07	0.395	1	0.03	24
25	0.881	2	0.10	0.427	2	0.07	0.394	1	0.03	25
26	0.858	2	0.10	0.436	2	0.08	0.391	2	0.07	26
27	0.852	2 S	0.10	0.410	2	0.07	0.390	2	0.07	27
28	0.848	1	0.05	0.411	2	0.07	0.370	2	0.06	28
29	0.835	2	0.09	0.415	2	0.07	0.362	2 S	0.06	29
30	0.816	2	0.09	0.416	2	0.07	0.366	2	0.06	30
31	0.818	2	0.09	0.427	2	0.07				31
TOTAL	20.940		3.77	15.349		3.25	13.280		3.56	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.377	3 S	0.10	0.528	3	0.14	0.385 B	2	0.06	1
2	0.382	3	0.10	0.581	4	0.20	0.385 B	2	0.06	2
3	0.381	3	0.10	0.745	9 S	0.58	0.385 B	2	0.06	3
4	0.382	2	0.08	0.789	4	0.27	0.380 B	2	0.06	4
5	0.358	3	0.08	0.676	2	0.12	0.380 B	2	0.07	5
6	0.462	6 S	0.24	0.614	2	0.11	0.378	2	0.07	6
7	0.418	6	0.22	0.584	2	0.10	0.368	2	0.06	7
8	0.405	4 S	0.14	0.569	2	0.10	0.362	2	0.06	8
9	0.395	4	0.14	0.535	2	0.09	0.369	2	0.06	9
10	0.406	4	0.14	0.488	2 S	0.08	0.377	2	0.07	10
11	0.425	4	0.15	0.476	2	0.08	0.366	2	0.06	11
12	0.418	5	0.16	0.475 B	3 S	0.12	0.358	2	0.06	12
13	0.410	5 S	0.16	0.480 B	3	0.12	0.381	2	0.06	13
14	0.403	4	0.14	0.472 B	2	0.08	0.381	2	0.06	14
15	0.442	4	0.15	0.468 B	2	0.08	0.388	2	0.06	15
16	0.500	4	0.17	0.485 B	2	0.08	0.383	2	0.06	16
17	0.487	3	0.12	0.459	3	0.12	0.384	2	0.06	17
18	0.427	3	0.11	0.457	2	0.08	0.353	2	0.06	18
19	0.428	3 S	0.11	0.445	2	0.08	0.363	2	0.06	19
20	0.437	3	0.11	0.435	2	0.08	0.337	2	0.06	20
21	0.448	3	0.12	0.428	2	0.07	0.348	2	0.06	21
22	0.489	2	0.08	0.390	2	0.07	0.342	1	0.03	22
23	0.449	2	0.08	0.387	2	0.07	0.338	1	0.03	23
24	0.483	3	0.12	0.380 B	1	0.03	0.336	2	0.06	24
25	0.884	5	0.28	0.385 B	1	0.03	0.337	2	0.06	25
26	0.552	3	0.14	0.388 B	1	0.03	0.341	2	0.06	26
27	0.508	2 S	0.10	0.388 B	1	0.03	0.334	2	0.06	27
28	0.523	2	0.11	0.384 B	2	0.06	0.338	2	0.06	28
29	0.558	2	0.10	0.381 B	2	0.06	0.332	2	0.06	29
30	0.523	2	0.08	0.388 B	2	0.06	0.328	2	0.06	30
31	0.508	2	0.08				0.330	2	0.06	31
TOTAL	14.183		4.07	14.479		3.22	10.837		1.83	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NN018

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 14	08:35	1.0	0.302	1ORB	DH48	3	132														
APR 18	11:11	1.5	0.198	1.5 M	DH48	3	105														
APR 18	11:15	1.5	0.225	2.4 M	DH48	4	111														
APR 18	11:19	1.5	0.220	3.1 M	DH48	4	112														
APR 18	11:23	1.5	0.217	4.3 M	DH48	3	110														
APR 18	11:27	1.5	0.286	5.4 M	DH48	5	115														
APR 18	11:31	1.5	1.11	1ORB	DH48	5	112														
APR 18	18:45	3.0	1.07	1ORB	DH48	6	110														
APR 20	14:00	3.0	0.844	1ORB	DH48	3															
APR 22	17:00	3.0	0.832	1ORB	DH48	2															
APR 24	10:15	3.0	0.786	1ORB	DH48	4	120														
APR 27	12:13	3.0	0.851	1ORB	DH48	5															
APR 29	18:20	6.0	1.04	1ORB	DH48	3															
MAY 01	18:30	7.0	1.07	1ORB	DH48	9	109														
MAY 03	18:45	5.0	1.82	1ORB	DH48	8															
MAY 05	13:29	7.0	1.23	1ORB	DH48	3															
MAY 07	18:36	7.0	1.47	1ORB	DH48	5															
MAY 08	17:30	8.0	1.46	1ORB	DH48	2															
MAY 09	18:54	8.0	1.44	1ORB	DH48	3															
MAY 11	15:42	4.0	1.27	1ORB	DH48	3															
MAY 13	18:24	4.0	1.19	1ORB	DH48	3															
MAY 15	18:44	8.0	1.57	1ORB	DH48	13	112														
MAY 16	09:27	5.0	1.52	1ORB	DH48	4															
MAY 17	11:23	8.0	1.71	1ORB	DH48	8															
MAY 18	13:32	9.0	1.81	1ORB	DH48	47 A	103														
MAY 20	15:12	9.0	3.00	1ORB	DH48	18															
MAY 21	20:30	7.0	4.05	1ORB	DH48	50															
MAY 22	19:17	7.0	4.13	1ORB	DH48	86															
MAY 23	20:32	6.0	4.31	1ORB	DH48	58															
MAY 25	18:53	6.0	3.68	1ORB	DH48	22															
MAY 27	18:38	7.0	3.29	1ORB	DH48	8	82														
MAY 28	15:00	7.0	0.459	1.7 M	DH48	9	100														
MAY 28	15:02	7.0	0.544	2.7 M	DH48	10	99														
MAY 28	15:04	7.0	0.588	3.4 M	DH48	7	101														
MAY 28	15:06	7.0	0.492	4.5 M	DH48	7	99														
MAY 28	15:08	7.0	0.653	5.5 M	DH48	7	97														
MAY 28	15:10	7.0	2.74	1ORB	DH48	7	101														
MAY 29	19:31	6.0	2.85	1ORB	DH48	10															
JUN 01	11:00	6.0	2.35	1ORB	DH48	7															
JUN 03	19:50	6.0	2.31	1ORB	DH48	5															
JUN 05	20:00	6.0	2.63	1ORB	DH48	8	86														
JUN 08	13:48	7.0	3.23	1ORB	DH48	10															
JUN 10	19:10	8.0	2.35	1ORB	DH48	5															
JUN 12	18:50	8.0	1.86	1ORB	DH48	5	99														
JUN 15	12:10	10.0	1.70	1ORB	DH48	7															
JUN 22	11:01	9.0	1.24	1ORB	DH48	3	110														
JUN 26	12:55	9.5	0.174	1.8 M	DH48	2	107														
JUN 26	12:57	9.5	0.212	2.8 M	DH48	2	111														
JUN 26	12:59	9.5	0.224	3.2 M	DH48	2	108														
JUN 26	13:01	9.5	0.197	4.5 M	DH48	2	103														
JUN 26	13:03	9.5	0.271	5.5 M	DH48	2	107														
JUN 26	13:05	9.5	1.08	1ORB	DH48	2	98														
JUN 29	09:18	9.0	0.988	1ORB	DH48	4															
JUL 07	14:18	14.0	0.760	1ORB	DH48	2															
JUL 14	10:27	10.0	0.834	1ORB	DH48	2	115														
JUL 21	10:12	11.0	0.819	1ORB	DH48	3															
JUL 27	11:28	11.0	0.551	1ORB	DH48	2	124														
AUG 05	18:36	14.0	0.520	1ORB	DH48	3															
AUG 07	13:21	12.5	0.075	2.0 M	DH48	2	128														
AUG 07	13:25	12.5	0.112	2.7 M	DH48	3	128														
AUG 07	13:29	12.5	0.102	3.7 M	DH48	7	124														
AUG 07	13:33	12.5	0.096	4.8 M	DH48	2	125														
AUG 07	13:37	12.5	0.104	5.8 M	DH48	3	128														
AUG 07	13:41	12.5	0.489	1ORB	DH48	1	124														
AUG 11	15:12	12.0	0.562	1ORB	DH48	3	123														
AUG 18	17:00	13.0	0.472	1ORB	DH48	3															
AUG 24	07:30	9.0	0.426	1ORB	DH48	3	126														
SEP 02	09:20	9.0	0.424	1ORB	DH48	4															
SEP 08	10:48	8.0	0.437	1ORB	DH48	2	126														
SEP 15	16:15	10.0	0.449	1ORB	DH48	7															
SEP 18	18:16	8.0	0.511	1ORB	DH48	4															
SEP 22	15:44	9.0	0.435	1ORB	DH48	2	120														
SEP 29	15:55	6.0	0.369	1ORB	DH48	2															
OCT 01	18:00	6.0	0.382	1ORB	DH48	3															
OCT 06	09:48	5.0	0.538	1ORB	DH48	7	120														
OCT 08	14:01	4.0	0.405	1ORB	DH48	4	128														
OCT 13	11:14	4.0	0.412	1ORB	DH48	5	135														
OCT 18	10:50	5.0	0.423	1ORB	DH48	3															
OCT 27	11:03	4.0	0.801	1ORB	DH48	2	126														
NOV 03	12:10	5.0	0.849	1ORB	DH48	13	122														
NOV 10	10:30	0.1	0.480	1ORB	DH48	2	122														
NOV 12	15:05	0.1	0.539 B	1ORB	DH48	3	135														

NOTE : SINGLE VERTICAL LOCATED AT 1ORB (ONE QUARTER THE DISTANCE FROM THE RIGHT BANK) FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NN016

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)			SAMPLED CONCENTRATION MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)			SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1979	---CCCCCCCCC	MANUAL	15	MAY 27		0	OCT 11	*	4.34	MAY 28		75.9		---	---	---
1980	CCCCCCCCCCCC	MANUAL	184	APR 29		0	AUG 08		84.0	APR 29		473		1.28	1.29	---
1981	CCCCCCCCCCCC	MANUAL	233	MAY 25	*	0	APR 06		117	MAY 25	*	614	*	1.68	1.49	13.1
1982	CCCCCCCCCCCC	MANUAL	63	MAY 25		0	OCT 11		27.8	JUN 15		385		1.06	1.34	13.5
1983	CCCCCCCCCCCC	MANUAL	126	MAY 28		1	MAR 25		60.9	MAY 28		613		1.68	1.43	10.7
1984	CCCCCCCCCCCC	MANUAL	89	JUN 15		1	FEB 1		35.0	JUN 15		344		0.94	1.33	11.5
1985	CCCCCCCCCCCC	MANUAL	58	MAY 23		1	AUG 07		19.1	MAY 23		180		0.49	1.19	15.8

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FELL CREEK NEAR NELSON - STATION NO. 08NJ129

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JAN 08	14:10	0.5	0.010	H	WELB	DIP	1		85				
JAN 13	15:05	0.5	0.010	H	WELB	DIP	1						
JAN 20	14:50	0.2	0.010	H	WELB	DIP	1		89				
JAN 27	14:13	0.5	0.009	H	WELB	DIP	0						
FEB 03	15:00	0.1	0.008	H	WELB	DIP	1		88				
FEB 10	14:55	0.1	0.007	H	WELB	DIP	1						
FEB 18	10:20	1.0	0.008	H	WELB	DIP	0		72				
FEB 27	15:55	1.5	0.007	H	WELB	DIP	3						
MAR 03	14:35	1.0	0.007	H	WELB	DIP	2		73				
MAR 10	09:02	0.1	0.007	H	WELB	DIP	0						
MAR 17	20:55	1.5	0.010	H	WELB	DIP	2		74				
MAR 24	09:22	1.5	0.009	H	WELB	DIP	1						
MAR 31	15:30	1.5	0.009	H	WELB	DIP	1		80				
APR 03	12:45	2.0	0.022	H	WELB	DIP	2						
APR 08	17:15	2.0	0.020	H	WELB	DIP	1		79				
APR 10	08:35	2.0	0.039	H	WELB	DIP	4						
APR 14	15:30	3.0	0.101	H	WELB	DIP	5						
APR 15	15:10	3.0	0.108	H	WELB	DIP	4						
APR 16	08:25	3.0	0.117	H	WELB	DIP	1						
APR 17	08:25	3.0	0.140	H	WELB	DIP	3						
APR 18	12:20	3.5	0.130	H	WELB	DIP	5						
APR 19	13:55	3.0	0.117	H	WELB	DIP	0		53				
APR 20	10:55	3.0	0.108	H	WELB	DIP	4						
APR 21	15:35	3.0	0.027	H	WELB	DIP	3						
APR 22	15:45	3.0	0.078	H	WELB	DIP	1						
APR 23	12:20	3.0	0.076	H	WELB	DIP	1						
APR 24	17:25	3.0	0.068	H	WELB	DIP	1						
APR 25	10:45	3.0	0.068	H	WELB	DIP	1						
APR 26	08:10	3.0	0.060	H	WELB	DIP	2						
APR 27	17:10	3.0	0.068	H	WELB	DIP	2						
APR 28	17:20	4.0	0.071	H	WELB	DIP	1						
APR 29	15:30	4.5	0.080	H	WELB	DIP	2		73				
APR 30	12:10	4.5	0.087	H	WELB	DIP	4						
MAY 01	13:00	4.5	0.103	H	WELB	DIP	5						
MAY 02	11:00	4.5	0.127	H	WELB	DIP	4						
MAY 03	12:40	4.0	0.186	H	WELB	DIP	10						
MAY 04	12:10	3.0	0.174	H	WELB	DIP	4						
MAY 05	14:20	4.0	0.145	H	WELB	DIP	2						
MAY 06	15:15	5.0	0.140	H	WELB	DIP	5						
MAY 07	09:55	4.5	0.142	H	WELB	DIP	5						
MAY 08	12:40	4.5	0.155	H	WELB	DIP	5						
MAY 09	08:25	4.0	0.152	H	WELB	DIP	3		84				
MAY 10	07:55	4.0	0.140	H	WELB	DIP	4						
MAY 11	16:12	4.0	0.132	H	WELB	DIP	7						
MAY 12	07:20	3.0	0.120	H	WELB	DIP	3						
MAY 13	15:35	3.5	0.117	H	WELB	DIP	5						
MAY 14	15:25	5.5	0.120	H	WELB	DIP	4						
MAY 15	08:25	3.0	0.117	H	WELB	DIP	6						
MAY 16	17:15	5.5	0.173	H	WELB	DIP	15						
MAY 17	14:30	5.0	0.185	H	WELB	DIP	11						
MAY 18	11:35	5.0	0.186	H	WELB	DIP	10						
MAY 19	09:50	5.0	0.268	H	WELB	DIP	7		51				
MAY 20	09:35	4.0	0.263	H	WELB	DIP	8						
MAY 21	08:40	4.0	0.292	H	WELB	DIP	7						
MAY 22	08:05	4.0	0.318	H	WELB	DIP	11						
MAY 23	08:50	4.0	0.378	H	WELB	DIP	31						
MAY 24	07:25	4.5	0.420	H	WELB	DIP	17						
MAY 25	12:10	5.5	0.453	H	WELB	DIP	188	C					
MAY 26	12:00	5.0	0.386	H	WELB	DIP	14						
MAY 27	09:30	4.0	0.318	H	WELB	DIP	7						
MAY 28	08:00	5.0	0.273	H	WELB	DIP	26						
MAY 29	09:10	5.0	0.283	H	WELB	DIP	5		42				
MAY 30	07:55	5.0	0.241	H	WELB	DIP	6						
MAY 31	07:20	5.0	0.226	H	WELB	DIP	2						
JUN 01	06:45	5.0	0.222	H	WELB	DIP	3						
JUN 02	10:00	5.0	0.217	H	WELB	DIP	4						
JUN 03	08:15	5.0	0.218	H	WELB	DIP	4						
JUN 04	08:05	5.0	0.211	H	WELB	DIP	2						
JUN 05	09:15	5.0	0.214	H	WELB	DIP	1						
JUN 06	08:55	5.0	0.218	H	WELB	DIP	2						
JUN 07	09:45	5.0	0.293	H	WELB	DIP	146	C	42				
JUN 08	09:20	5.0	0.244	H	WELB	DIP	3		81				
JUN 09	08:40	5.0	0.223	H	WELB	DIP	4						
JUN 10	08:50	5.0	0.205	H	WELB	DIP	5						
JUN 11	09:30	5.0	0.195	H	WELB	DIP	4						
JUN 12	08:25	7.0	0.188	H	WELB	DIP	4						
JUN 13	09:45	7.0	0.174	H	WELB	DIP	3						
JUN 14	08:25	7.0	0.161	H	WELB	DIP	2						
JUN 15	08:20	7.5	0.152	H	WELB	DIP	1						
JUN 16	11:05	8.0	0.137	H	WELB	DIP	2						
JUN 17	08:35	8.0	0.130	H	WELB	DIP	2						
JUN 18	09:25	8.0	0.125	H	WELB	DIP	1		81				
JUN 19	11:15	7.0	0.120	H	WELB	DIP	1						
JUN 20	09:23	8.0	0.115	H	WELB	DIP	0						
JUN 21	10:55	8.5	0.110	H	WELB	DIP	2						
JUN 22	12:25	9.0	0.108	H	WELB	DIP	1						
JUN 23	11:00	7.0	0.097	H	WELB	DIP	2						
JUN 24	21:15	7.0	0.087	H	WELB	DIP	1						
JUN 25	09:15	8.0	0.083	H	WELB	DIP	1						
JUN 26	16:40	9.0	0.079	H	WELB	DIP	3						
JUN 27	15:10	10.0	0.071	H	WELB	DIP	0						
JUN 28	19:55	11.0	0.067	H	WELB	DIP	3		87				
JUN 29	11:55	10.5	0.085	H	WELB	DIP	2						
JUN 30	09:20	10.0	0.063	H	WELB	DIP	3						
JUL 01	12:00	10.5	0.059	H	WELB	DIP	4						
JUL 04	21:10	10.0	0.047	H	WELB	DIP	6						
JUL 07	19:10	11.0	0.040	H	WELB	DIP	9						
JUL 10	07:57	13.0	0.037	H	WELB	DIP	2		72				
JUL 14	08:50	11.0	0.031	H	WELB	DIP	11						
JUL 17	11:03	12.0	0.030	H	WELB	DIP	1		70				
JUL 21	09:00	12.0	0.024	H	WELB	DIP	1						
JUL 25	08:30	12.5	0.023	H	WELB	DIP	2		87				
JUL 29	15:55	12.5	0.019	H	WELB	DIP	1		78				

NOTE - SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT

CONTINUED

FELL CREEK NEAR NELSON - STATION NO. 08NJ129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
AUG 01	14:05	13.5	0.022	H	WELB	DIP	2															
AUG 04	11:55	13.5	0.015	H	WELB	DIP	3															
AUG 07	15:15	13.0	0.015	H	WELB	DIP	7															
AUG 11	15:35	11.5	0.013	H	WELB	DIP	3															
AUG 14	16:10	11.0	0.015	H	WELB	DIP	4															
AUG 18	12:40	11.5	0.014	H	WELB	DIP	1															
AUG 21	16:05	11.0	0.013	H	WELB	DIP	1															
AUG 25	10:20	11.5	0.012	H	WELB	DIP	2															
AUG 29	15:10	11.5	0.010	H	WELB	DIP	4															
SEP 01	09:00	10.0	0.010	H	WELB	DIP	1															
SEP 04	12:10	10.0	0.011	H	WELB	DIP	2															
SEP 08	17:00	8.0	0.055	H	WELB	DIP	3															
SEP 08	10:25	7.5	0.035	H	WELB	DIP	4	66														
SEP 11	15:40	8.0	0.019	H	WELB	DIP	1															
SEP 15	13:20	9.0	0.034	H	WELB	DIP	1															
SEP 18	16:50	8.0	0.021	H	WELB	DIP	4															
SEP 22	15:45	8.0	0.015	H	WELB	DIP	3	75														
SEP 29	09:51	4.0	0.012	H	WELB	DIP	1															
OCT 06	19:15	4.5	0.024	H	WELB	DIP	3															
OCT 13	13:00	4.0	0.012	H	WELB	DIP	1	74														
OCT 20	13:20	5.0	0.021	H	WELB	DIP	2															
OCT 27	18:55	3.0	0.042	H	WELB	DIP	4	69														
NOV 03	14:10	3.0	0.048	H	WELB	DIP	1															
NOV 09	12:15	0.5	0.035	H	WELB	DIP	2	65														
NOV 17	16:10	1.0	0.017	H	WELB	DIP	3															
NOV 24	11:20	0.1	0.010	H	WELB	DIP	0	67														
DEC 01	14:30	0.1	0.008	H	WELB	DIP	0	74														
DEC 07	13:25	0.1	0.009	H	WELB	DIP	2															
DEC 15	14:25	0.1	0.008	H	WELB	DIP	1	65														
DEC 22	13:55	1.0	0.008	H	WELB	DIP	2															
DEC 28	12:45	1.0	0.008	H	WELB	DIP	1	63														

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN

FELL CREEK NEAR NELSON - STATION NO. 08NJ129

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)			MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1983	PPPPPCPPPPPP	MANUAL	180	MAY 29		0	JAN 30	*	---	---	---	---	---	---
1984	PPPPPPPPPPPP	MANUAL	311	JUN 17	*	0	JAN 8		---	---	---	---	---	---
1985	PPPPPPPPPPPP	MANUAL	188	MAY 29		0	JAN 27		---	---	---	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ155

SUSPENDED SEDIMENT FOR 1969

LOCATION: LAT 49 31 05 N LONG 117 13 44 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 288 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.111	3	0.03	0.086 B	4	0.03	0.086 B	2	0.01	1
2	0.110	3	0.03	0.087 B	5	0.04	0.086 B	2	0.01	2
3	0.111	3	0.03	0.086 B	5 S	0.04	0.085 B	1 S	0.01	3
4	0.108	3	0.03	0.085 B	4	0.03	0.087	1	0.01	4
5	0.109	3	0.03	0.084 B	4	0.03	0.087	1	0.01	5
6	0.109	3 S	0.03	0.083 B	4	0.03	0.086	1	0.01	6
7	0.106	3	0.03	0.082 B	3	0.02	0.086	1	0.01	7
8	0.105 B	3	0.03	0.080 B	3	0.02	0.086	1	0.01	8
9	0.104 B	3	0.03	0.080 B	3	0.02	0.086	1	0.01	9
10	0.103 B	3	0.03	0.086 B	3 S	0.02	0.086	1 S	0.01	10
11	0.103 B	3	0.03	0.086 B	3	0.02	0.082	1	0.01	11
12	0.103 B	3	0.03	0.090 B	3	0.02	0.082	1	0.01	12
13	0.103 B	3 S	0.03	0.091 B	3	0.02	0.083 A	1	0.01	13
14	0.102 B	3	0.03	0.088 B	3	0.02	0.083	1	0.01	14
15	0.102 B	3	0.03	0.086 B	3	0.02	0.084	1	0.01	15
16	0.102 B	3	0.03	0.086 B	3	0.02	0.083	1	0.01	16
17	0.102 B	3	0.03	0.086 B	3	0.02	0.085	4 S	0.03	17
18	0.102 B	3	0.03	0.087 B	3	0.02	0.088	4	0.03	18
19	0.102 B	3	0.03	0.088 B	3	0.01	0.090	4	0.03	19
20	0.102 B	3 S	0.03	0.086 B	3	0.01	0.091	4	0.03	20
21	0.103 B	3	0.03	0.086 B	3	0.01	0.090	3	0.03	21
22	0.100 B	3	0.03	0.085 B	3	0.01	0.089	4	0.03	22
23	0.100 B	1 S	0.01	0.084 B	3	0.01	0.087	3	0.03	23
24	0.099 B	3	0.03	0.084 B	3	0.01	0.087	4 S	0.03	24
25	0.099 B	3	0.03	0.086 B	3 S	0.02	0.087	3	0.03	25
26	0.098 B	3	0.03	0.087 B	3	0.02	0.088	4	0.03	26
27	0.098 B	4 S	0.03	0.086 B	3	0.01	0.089	3	0.03	27
28	0.096 B	4	0.03	0.084 B	3	0.01	0.088	3	0.03	28
29	0.097 B	4	0.03				0.088	3	0.03	29
30	0.098 B	4	0.03				0.088	3	0.03	30
31	0.098 B	4	0.03				0.087	3 S	0.03	31
TOTAL	3.183		0.84	2.483		0.58	2.883		0.83	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.089	3	0.02	0.869	5 S	0.30	8.32	7 S	3.82	1
2	0.095	2	0.02	1.31	7 S	0.79	7.80	10 S	6.48	2
3	0.120	3	0.02	2.11	7 S	1.38	8.48	7 S	3.93	3
4	0.118	2	0.02	1.84	4 S	0.67	8.01	5 S	2.99	4
5	0.108	1	0.01	1.68	3 S	0.39	8.24	4 S	3.18	5
6	0.107	1	0.01	1.58	3 S	0.27	8.85	2 S	0.88	6
7	0.108	0 S	0	1.80	4 S	0.62	11.4	30 S	19.7	7
8	0.118	0	0	2.18	5 S	0.93	9.04	45 S	35.1	8
9	0.178	2	0.03	2.12	7 S	1.38	8.14	11 S	9.04	9
10	0.294	5	0.13	3.03	3 S	0.83	8.11	5 S	3.21	10
11	0.448	8	0.33	1.89	3 S	0.48	4.87	5 S	2.18	11
12	0.824	5	0.33	1.68	2 S	0.29	8.10	5 S	3.63	12
13	0.857	7	0.10	1.84	2 S	0.27	4.76	5 S	3.05	13
14	0.681	1 S	0.08	1.81	4 S	0.58	4.88	5 S	1.87	14
15	0.783	1	0.07	2.01	5 S	1.04	4.84	4 S	1.67	15
16	0.844	1	0.07	2.88	5 S	2.32	3.70	4 S	1.38	16
17	1.17	0	0	4.35	17 S	8.24	3.32	5	1.43	17
18	0.821	0 S	0	5.17	20 S	10.7	3.43	4 S	1.19	18
19	0.750	0	0	5.17	20 S	14.1	3.47	7 S	3.10	19
20	0.880	1	0.08	5.88	18 S	13.0	3.07	7 S	1.88	20
21	0.813	1 S	0.08	5.81	10 S	6.33	2.88	5 S	2.07	21
22	0.880	1	0.08	10.4	18 S	17.1	2.41	5	1.28	22
23	0.818	1	0.04	12.0	28 S	29.0	2.09	2 S	0.38	23
24	0.691	0	0	13.3	30 S	33.0	1.73	2 S	0.31	24
25	0.487	0 S	0	12.0	11 S	11.4	1.88	5 S	0.87	25
26	0.456	1	0.04	5.11	7 S	5.51	1.47	4 S	0.51	26
27	0.483	2	0.08	5.04	5 S	3.47	1.43	4 S	0.48	27
28	0.845	3 S	0.09	7.12	5 S	3.08	1.40	3 S	0.38	28
29	0.824	3	0.18	6.49	6 S	3.38	1.34	1 S	0.12	29
30	0.817	3	0.18	5.05	8 S	3.14	1.30	2 S	0.21	30
31				5.30	8	4.38				31
TOTAL	13.950		1.75	155.559		109.50	138.07		108.59	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ186

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.04	2 S	0.18	0.222	2 S	0.04	0.153	1 S	0.01	1
2	0.935	3 S	0.24	0.235	1	0.02	0.153	1	0.01	2
3	0.884	4 S	0.31	0.214	1	0.02	0.148	1	0.01	3
4	0.817	3	0.21	0.260	2 S	0.05	0.145	1	0.01	4
5	0.783	3 S	0.20	0.224	3	0.06	0.256	1	0.02	5
6	0.706	2	0.12	0.285	1	0.02	0.884	5	0.48	6
7	0.691	1	0.08	0.226	1	0.02	0.809	2	0.09	7
8	0.627	1 S	0.06	0.272	2	0.05	0.482	1 S	0.04	8
9	0.589	1 S	0.06	0.292	1	0.03	0.509	1	0.04	9
10	0.544	1 S	0.05	0.322	2	0.06	0.487	1	0.04	10
11	0.510	1 S	0.04	0.271	1 S	0.02	0.474	2	0.08	11
12	0.482	2	0.08	0.264	1	0.02	0.884	3	0.23	12
13	0.481	1	0.04	0.298	1	0.03	0.708	2	0.12	13
14	0.436	2 S	0.08	0.234	1	0.02	0.682	2	0.11	14
15	0.406	2	0.07	0.245	2	0.04	0.592	2	0.10	15
16	0.391	2	0.07	0.226	1	0.02	0.638	2 S	0.11	16
17	0.392	2	0.07	0.206	1	0.02	0.683	2	0.12	17
18	0.369	2 S	0.06	0.187	1 S	0.02	0.625	2	0.11	18
19	0.344	1	0.03	0.188	1	0.02	0.558	1	0.06	19
20	0.321	1	0.03	0.190	1	0.02	0.514	2	0.09	20
21	0.313	1 S	0.03	0.298	4	0.10	0.558	2	0.10	21
22	0.292	1	0.03	0.251	1	0.02	0.483	1 S	0.04	22
23	0.333	1	0.03	0.219	1	0.02	0.442	1	0.04	23
24	0.360	1	0.03	0.190	1	0.02	0.390 E	1	0.03	24
25	0.293	1 S	0.03	0.187	1	0.02	0.355 E	1	0.03	25
26	0.272	1	0.02	0.171	1	0.01	0.349 E	1	0.03	26
27	0.267	1	0.02	0.166	1	0.01	0.348 E	1	0.03	27
28	0.260	2 S	0.04	0.161	1	0.01	0.348 E	1	0.03	28
29	0.237	2	0.04	0.163	1	0.01	0.348 E	1 S	0.03	29
30	0.224	2	0.04	0.153	1	0.01	0.349 E	1	0.03	30
31	0.216	2	0.04	0.150	1	0.01				31
TOTAL	16.715		2.39	7.060		0.86	14.014		2.24	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.349 E	1	0.03	0.618	1	0.07	0.228 B	0	0	1
2	0.349 E	1	0.03	0.533	1	0.06	0.230 B	0	0	2
3	0.348 E	1	0.03	1.46	1 S	0.12	0.234 B	0	0	3
4	0.348 A	1	0.03	1.30	0	0	0.226 B	0	0	4
5	0.327	1	0.03	1.87	1	0.09	0.220 B	0	0	5
6	0.432	1 S	0.04	0.958	0	0	0.215 B	0	0	6
7	0.373	1	0.03	0.915	0	0	0.211 B	0	0	7
8	0.368	1	0.03	0.678 B	0	0	0.208 B	0	0	8
9	0.337	1	0.03	0.620 B	0	0	0.202 B	0	0	9
10	0.320	1	0.03	0.710 B	0	0	0.200 B	0	0	10
11	0.323	1	0.03	0.655 B	0	0	0.199 B	0	0	11
12	0.319	1	0.03	0.670 B	0	0	0.194 B	0	0	12
13	0.319	1 S	0.03	0.660 B	0	0	0.189 B	1	0.02	13
14	0.330	1	0.03	0.665 B	0	0	0.183 B	1	0.02	14
15	0.427	1	0.04	0.630 B	0	0	0.180 B	1	0.02	15
16	0.749	2	0.18	0.600 B	0	0	0.180 B	1	0.02	16
17	0.611	1	0.06	0.570 B	0	0	0.181 B	1	0.02	17
18	0.624	1	0.06	0.540 B	0	0	0.184 B	2	0.03	18
19	0.670	1	0.06	0.535 B	0	0	0.184 B	2	0.03	19
20	0.641	1 S	0.06	0.543 B	0	0	0.185 B	2 S	0.03	20
21	0.737	1	0.06	0.510 B	0	0	0.183 B	2	0.03	21
22	0.776	1	0.07	0.495 B	0	0	0.179 B	1	0.02	22
23	0.653	1	0.06	0.470 B	0	0	0.177 B	1	0.02	23
24	0.622	1	0.05	0.465 B	0	0	0.175 B	1	0.02	24
25	0.924	1	0.08	0.273 B	0	0	0.170 B	1	0.01	25
26	0.728	1	0.06	0.272 B	0	0	0.165 B	1	0.01	26
27	1.19	1 S	0.10	0.264 B	0	0	0.161 B	0	0	27
28	1.58	1 S	0.14	0.250 B	0	0	0.158 B	0	0	28
29	1.05	1	0.09	0.245 B	0	0	0.154 B	0	0	29
30	0.941	1	0.08	0.240 B	0	0	0.151 B	0	0	30
31	0.857	1	0.07				0.150 B	0	0	31
TOTAL	18.420		1.73	18.537		0.38	5.888		0.30	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ188

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 06	14:12	0.1	0.109	WELB	DIP	3	49														
JAN 13	14:30	0.1	0.103 W	WELB	DIP	2															
JAN 20	14:17	0.1	0.102 W	WELB	DIP	3	44														
JAN 23	12:00E	0.1	0.100 W	WELB	DIP	1	40														
JAN 27	13:52	0.1	0.099 W	WELB	DIP	4															
FEB 03	14:00	0.1	0.095 W	WELB	DIP	5	53														
FEB 10	13:42	0.1	0.088 W	WELB	DIP	2															
FEB 17	13:03	0.1	0.088 W	WELB	DIP	10 A	55														
FEB 25	15:29	0.1	0.086 W	WELB	DIP	3															
MAR 03	15:05	0.1	0.085 W	WELB	DIP	1	51														
MAR 10	15:04	0.5	0.086	WELB	DIP	1															
MAR 17	15:23	1.0	0.092	WELB	DIP	5	52														
MAR 24	13:42	0.5	0.087	WELB	DIP	7															
MAR 31	14:38	1.0	0.088	WELB	DIP	5	52														
APR 07	17:26	2.0	0.107	WELB	DIP	0															
APR 14	14:41	3.0	0.888	WELB	DIP	2	47														
APR 16	18:24	3.0	0.867	WELB	DIP	0															
APR 21	16:04	2.5	0.591	WELB	DIP	1	51														
APR 25	15:18	2.0	0.463	WELB	DIP	0															
APR 28	15:15	2.0	0.541	WELB	DIP	3	48														
MAY 01	15:25	2.0	0.859	WELB	DIP	4															
MAY 02	15:18	2.0	1.24	WELB	DIP	4															
MAY 03	14:54	2.0	2.09	WELB	DIP	6															
MAY 04	15:47	2.0	1.87	WELB	DIP	3															
MAY 05	15:51	2.0	1.82	WELB	DIP	2															
MAY 06	13:48	3.0	0.254	7.5 M	DH48	2	40														
MAY 06	13:53E	3.0	0.352	6.5 M	DH48	2	43														
MAY 06	13:58E	3.0	0.280	5.5 M	DH48	3	41														
MAY 06	14:04E	3.0	0.328	4.5 M	DH48	2	40														
MAY 06	14:10E	3.0	0.255	3.5 M	DH48	1	48														
MAY 06	15:25	3.0	1.52	WELB	DIP	4	45														
MAY 07	15:01	3.0	1.70	WELB	DIP	2															
MAY 08	15:11	3.0	2.13	WELB	DIP	4															
MAY 09	15:19	3.0	2.07	WELB	DIP	5															
MAY 10	14:49	3.0	2.00	WELB	DIP	2															
MAY 11	15:42	2.0	1.85	WELB	DIP	3															
MAY 12	15:34	3.0	1.64	WELB	DIP	2															
MAY 13	15:14	3.0	1.53	WELB	DIP	2															
MAY 14	14:55	3.0	1.58	WELB	DIP	2	43														
MAY 15	15:13	4.0	1.95	WELB	DIP	1															
MAY 16	15:01	4.0	2.63	WELB	DIP	2															
MAY 17	15:03	4.0	4.51	WELB	DIP	12															
MAY 18	15:19	3.0	6.17	WELB	DIP	13															
MAY 19	15:36	3.0	8.14	WELB	DIP	14															
MAY 20	15:27	3.0	8.71	WELB	DIP	9	38														
MAY 21	15:17	3.0	9.24	WELB	DIP	1															
MAY 22	15:24	3.0	10.4	WELB	DIP	11															
MAY 23	15:17	3.0	11.9	WELB	DIP	14															
MAY 24	15:18	3.0	13.8	WELB	DIP	24 C															
MAY 25	15:33	3.0	11.3	WELB	DIP	7															
MAY 26	15:13	4.0	8.60	WELB	DIP	5															
MAY 27	14:34	5.0	1.27	11.0 M	D48	3	39														
MAY 27	14:45E	5.0	1.49	12.5 M	D48	3	36														
MAY 27	14:58E	5.0	1.61	13.4 M	D48	9	34														
MAY 27	15:10	4.0	7.53	WELB	DIP	4															
MAY 27	15:18E	5.0	1.75	14.2 M	D48	3	35														
MAY 27	15:30E	5.0	1.58	15.2 M	D48	3	37														
MAY 27	15:47	5.0	7.55	WELB	DIP	10	36														
MAY 28	14:58	4.0	8.49	WELB	DIP	4															
MAY 29	14:57	4.0	8.08	WELB	DIP	3															
MAY 30	15:08	4.0	8.87	WELB	DIP	4	29														
MAY 31	15:02	4.0	8.04	WELB	DIP	28 A															
JUN 01	15:38	4.0	8.82	WELB	DIP	8															
JUN 02	15:31	4.0	8.87	WELB	DIP	17 C															
JUN 03	15:07	4.0	8.92	WELB	DIP	4															
JUN 04	15:11	4.0	8.70	WELB	DIP	1															
JUN 05	15:06	4.0	8.78	WELB	DIP	4															
JUN 06	15:04	4.0	8.22	WELB	DIP	1															
JUN 07	15:08	4.0	13.2	WELB	DIP	9															
JUN 08	15:10	4.0	8.14	WELB	DIP	44															
JUN 09	15:55	5.0	5.78	WELB	DIP	8	27														
JUN 10	15:32	5.0	4.82	WELB	DIP	3															
JUN 11	15:00	5.0	4.78	WELB	DIP	3															
JUN 12	16:02	5.0	5.16	WELB	DIP	8															
JUN 13	15:09	5.0	4.80	WELB	DIP	10															
JUN 14	15:35	5.0	4.56	WELB	DIP	3															
JUN 15	15:25	5.0	4.48	WELB	DIP	3															
JUN 16	15:04	5.0	3.48	WELB	DIP	2															
JUN 17	15:17	5.0	3.21	WELB	DIP	19 A															
JUN 18	14:43	7.0	3.22	WELB	DIP	1															
JUN 19	15:43	7.0	3.36	WELB	DIP	3	27														
JUN 20	15:51	7.0	2.83	WELB	DIP	9															
JUN 21	16:30	7.0	2.57	WELB	DIP	9															
JUN 22	16:35	7.0	2.26	WELB	DIP	22 A															
JUN 23	08:45	5.0	2.16	WELB	DIP	1															
JUN 24	15:10	5.0	1.75	WELB	DIP	2															
JUN 25	14:05	7.0	1.54	WELB	DIP	5															
JUN 26	15:40	8.0	1.42	WELB	DIP	3															
JUN 27	16:40	9.0	1.33	WELB	DIP	4															
JUN 28	11:20	9.0	0.220	3.4 M	DH48	1	31														
JUN 28	11:28E	9.0	0.341	4.3 M	DH48	2	28														
JUN 28	11:38E	9.0	0.249	5.5 M	DH48	2	27														
JUN 28	11:48E	9.0	0.304	6.1 M	DH48	1	30														
JUN 28	11:58E	9.0	0.254	7.0 M	DH48	3	30														
JUN 28	12:01	9.0	1.34	WELB	DIP	3	30														
JUN 28	15:25	11.0	1.30	WELB	DIP	1															
JUN 29	15:40	11.0	1.25	WELB	DIP	1	70														
JUN 30	15:50	11.0	1.08	WELB	DIP	1															
JUL 01	14:50	10.0	0.993	WELB	DIP	3															
JUL 02	15:50	12.0	0.897	WELB	DIP	3	34														
JUL 03	15:52	12.0	0.855	WELB	DIP	5															
JUL 04	15:27	12.0	0.796	WELB	DIP	15 A															
JUL 05	16:23	12.0	0.736	WELB	DIP	3															

NOTE : SINGLE VERTICAL LOCATED AT WELB (WATER'S EDGE LEFT BANK) FOR 1985

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY C - ORGANIC MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ188 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		SINGLE VERTICAL SAMPLING	TYPE OF SAMPLER	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES									PERCENT		
									.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND SILT CLAY
		(C)	(m³/s)		(m)		(mg/L)	(mg/L)												
JUL 06	15:26	12.0	0.720		WELB	DIP	10	A												
JUL 07	14:52	12.0	0.844		WELB	DIP	15	A												
JUL 08	15:52	12.0	0.824		WELB	DIP	1													
JUL 09	16:16	12.0	0.587		WELB	DIP	1													
JUL 10	15:28	12.0	0.541		WELB	DIP	1	28												
JUL 11	15:41	13.0	0.514		WELB	DIP	1													
JUL 14	14:20	13.0	0.441		WELB	DIP	2													
JUL 18	15:32	13.0	0.404		WELB	DIP	2													
JUL 21	15:44	14.0	0.314		WELB	DIP	1	70												
JUL 25	15:58	13.0	0.294		WELB	DIP	1													
JUL 28	15:48	13.0	0.280		WELB	DIP	2													
AUG 01	15:10	13.0	0.230		WELB	DIP	2													
AUG 04	15:03	13.0	0.285		WELB	DIP	1	52												
AUG 11	14:58	10.0	0.207		WELB	DIP	1	45												
AUG 18	15:10	10.0	0.186		WELB	DIP	1													
AUG 25	15:37	12.0	0.167		WELB	DIP	5	A 42												
SEP 01	15:39	10.0	0.154		WELB	DIP	1													
SEP 08	15:13	8.0	0.426		WELB	DIP	0	57												
SEP 15	14:55	6.0	0.712		WELB	DIP	2													
SEP 22	14:45	5.0	0.475		WELB	DIP	1	46												
SEP 29	14:26	3.0	0.348	Y	WELB	DIP	0													
OCT 06	15:05	4.0	0.488		WELB	DIP	1	38												
OCT 13	14:56	2.0	0.319	H	WELB	DIP	1													
OCT 20	15:42	4.0	0.316		WELB	DIP	0	42												
OCT 27	15:43	2.0	1.18	H	WELB	DIP	1													
OCT 28	12:00E	2.0	1.58	H	WELB	DIP	1													
NOV 03	15:21	3.0	1.40	H	WELB	DIP	1	37												
DEC 20	12:15	1.0	0.185	W	WELB	DIP	2	44												

NOTE : SINGLE VERTICAL LOCATED AT WELB (WATER'S EDGE LEFT BANK) FOR 1985

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ188

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM			MINIMUM			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY			TOTAL FOR PERIOD	SUMMARY : JAN-DEC MEAN LOAD	HISTORICAL MEAN LOAD	STANDARD ERROR OF MEAN %
	(JFMAMJJASOND)		(mg/L)			(mg/L)			(TONNES)			(TONNES)	(TONNES)	(TONNES)	
1983	----CCCCCCCC	MANUAL	43	MAY 25		0	NOV 09	*	59.1	MAY 28	*	547 *	---	---	---
1984	CCCCCCCCCCCC	MANUAL	41	JUN 15		0	APR 30		31.8	JUN 15		241	0.66	0.66	---
1985	CCCCCCCCCCCC	MANUAL	44	JUN 05	*	0	APR 07		35.1	JUN 05		358	0.79	0.73	8.9

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 00 02 N LONG 114 28 35 W
DRAINAGE AREA: 1 110 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

TOTAL SUSPENDED SEDIMENT LOAD 43 200 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	3.10 B	2	0.54	2.87 B	1	0.25	3.11 B	2	0.54	1
2	3.12 B	1	0.27	2.81 B	1	0.24	3.05 B	2	0.53	2
3	3.31 B	1	0.28	2.80 B	1	0.24	2.87 B	2	0.50	3
4	3.51 B	1	0.30	2.78 B	1	0.24	2.84 B	1	0.25	4
5	3.70 B	1	0.32	2.92 B	1	0.25	2.87 B	1	0.25	5
6	3.92 B	1	0.34	2.91 B	1	0.25	2.86 B	1	0.25	6
7	3.83 B	1	0.33	3.00 B	1	0.26	2.90 B	1	0.25	7
8	3.80 B	1	0.33	2.95 B	1	0.25	2.93 B	1	0.25	8
9	3.85 B	1	0.34	2.90 B	1	0.25	3.00 B	1	0.25	9
10	4.05 B	1	0.35	2.95 B	1	0.26	2.86 B	1	0.26	10
11	4.20 B	1 S	0.38	3.10 B	1	0.27	2.83 B	1	0.25	11
12	4.33 B	1	0.37	3.21 B	2	0.55	2.86 B	1	0.26	12
13	4.38 B	1	0.38	3.12 B	2	0.54	3.00 B	1	0.26	13
14	4.40 B	1	0.38	3.15 B	2 S	0.54	3.04 B	1	0.26	14
15	4.32 B	1	0.37	3.22 B	2	0.56	3.09 B	1	0.27	15
16	4.30 B	1	0.37	3.17 B	2	0.55	3.13 B	1	0.27	16
17	4.36 B	1	0.38	3.20 B	2	0.55	3.21 B	1	0.28	17
18	4.43 B	1	0.38	3.21 B	2	0.55	3.32 B	2	0.57	18
19	4.48 B	2	0.78	3.15 B	1	0.27	3.36 B	2	0.58	19
20	4.50 B	1	0.39	3.15 B	2	0.54	3.40 B	2	0.59	20
21	4.48 B	2	0.77	3.11 B	2	0.54	3.32 B	2	0.57	21
22	4.48 B	2	0.77	3.09 B	2	0.53	3.20 B	2	0.55	22
23	4.32 B	2	0.75	3.13 B	2	0.54	3.13 B	1	0.27	23
24	4.20 B	2	0.72	3.25 B	2	0.56	3.20 B	1	0.28	24
25	4.03 B	2	0.70	3.11 B	2	0.54	3.20 B	1 S	0.28	25
26	3.94 B	2	0.68	2.94 B	2	0.51	3.13 B	1	0.27	26
27	3.87 B	2	0.67	2.38 B	2	0.41	3.20 B	1	0.28	27
28	3.78 B	2	0.65	3.10 B	2	0.54	3.20 B	1	0.28	28
29	3.50 B	1	0.30				3.19 B	1	0.28	29
30	3.00 B	1	0.26				3.23 B	1	0.28	30
31	2.80 B	1	0.24				3.39 B	2	0.59	31
TOTAL	122.38		14.09	84.68		11.67	96.23		10.88	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	3.88	3 S	1.01	78.6	45 S	294	89.5	40 S	309	1
2	4.39	5	2.26	98.3 A	104	858	85.1	32 S	183	2
3	5.19	5	2.24	118	231 S	2 290	75.6	24 S	189	3
4	5.37	4	1.88	122	169 S	1 760	70.6	32 S	136	4
5	5.25	4	1.81	87.1	72 S	542	88.6	30 S	119	5
6	5.20	4	1.80	72.6	52	326	89.5	21 S	127	6
7	5.37	4	1.86	67.1	43	249	85.4	83 S	884	7
8	5.77	4 S	1.99	88.6	32 S	180	188	270 S	3 630	8
9	5.83	5	3.69	84.3	32	122	108	78 S	958	9
10	8.88	8	6.62	88.3	28	148	79.7	28 S	193	10
11	14.8	11	14.2	80.8	23 S	115	88.3	21 S	124	11
12	23.4	18	36.4	84.2	18	84.3	84.7	18 S	89.4	12
13	34.0 E	43	126	82.2	18	87.7	83.8	15 S	82.8	13
14	48.0 E	87	361	88.4	18 S	88.2	89.8	14 S	72.8	14
15	89.3 A	78 S	388	81.8	23	133	88.6	15 S	78.8	15
16	81.3 A	40 S	177	85.6	43	318	88.7	14 S	88.8	16
17	61.2	45 S	189	111	77	738	80.8	14 S	81.1	17
18	48.3	28 S	117	133	141 S	1 810	48.4	11 S	44.1	18
19	42.8	22 S	81.8	182 A	213 S	2 880	44.8	13 S	80.1	19
20	38.8	15 S	80.4	188 E	210	3 010	48.2	21 S	83.8	20
21	35.2	11 S	33.8	172	197 S	2 930	46.2	21 S	83.8	21
22	31.8	8	21.8	178	178 S	2 730	40.8	18 S	83.0	22
23	28.8	8	20.8	178	187 S	2 880	37.2	11 S	38.4	23
24	27.8	8	14.3	173	137 S	2 050	35.1	8 S	27.3	24
25	28.8	8	11.2	182	127	2 000	33.8	8 S	17.1	25
26	24.4	4	8.43	182	101 S	1 410	30.8	8 S	18.8	26
27	28.2	8	20.4	128	88 S	713	28.1	8 S	20.1	27
28	49.8	40	171	111	60 S	384	28.8	8 S	21.8	28
29	86.3	70	413	88.3	33 S	263	27.8	8 S	21.7	29
30	70.2	48 S	297	85.8	38 S	220	27.1	8	18.7	30
31				83.3	43	339				31
TOTAL	853.83		2 868.78	3 337.8		31 388.2	1 781.7		7 271.1	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	25.8	7	15.8	8.59	3	2.23	8.14	5	2.85	1
2	24.8	8	12.8	8.54	2 S	1.48	8.25	4	2.18	2
3	23.8	5 S	10.2	8.80	4	2.87	8.25	3 S	1.62	3
4	23.0	4	7.95	8.40 E	6	3.63	8.57	4	2.27	4
5	22.1	4	7.84	8.20 E	6	4.25	7.80	6	4.04	5
6	21.4	4 S	7.40	8.08 E	6 S	5.56	10.6	11	10.1	6
7	20.4	5	8.81	7.93 E	6	4.11	9.92	5	4.29	7
8	19.3	5	10.0	7.84 E	3	2.03	8.96	3	2.33	8
9	18.6	7 S	11.2	8.17 E	1 S	0.71	8.50	3	2.20	9
10	17.8	6	9.28	8.00 E	1	0.89	8.48	3 S	2.20	10
11	17.3	5	8.97	7.84 E	1	0.88	8.47	3	2.20	11
12	16.8	5 S	7.17	8.38 E	2 S	1.45	12.1	14	14.6	12
13	15.9	5	6.87	8.54 A	2	1.48	23.2	29	58.1	13
14	15.4	5	7.98	8.17	2	1.41	22.4	18	34.8	14
15	14.8	6	7.67	8.28	3 S	2.16	19.6	12	20.5	15
16	14.2	7 S	8.59	8.82	5	3.81	18.1	8	12.5	16
17	14.0	7	8.47	8.48	5	3.87	19.5	10 S	16.6	17
18	13.9	6	7.21	8.14	5	3.52	20.1	12	20.8	18
19	13.0	4 S	4.48	7.88	4	2.65	19.2	10	16.6	19
20	12.3	4	4.25	7.43	6 S	3.85	18.1	8	12.5	20
21	11.7	3	3.03	7.99	6	4.14	16.8	7	10.2	21
22	11.3	3	2.93	8.31	6	4.31	17.1	7	10.3	22
23	11.1	4 S	3.84	8.01	5 S	3.46	16.8	6	8.75	23
24	11.3	4	3.91	7.38	5	3.19	16.2	6 S	8.40	24
25	10.6	4	3.66	7.12	4	2.46	15.3	5	6.81	25
26	10.1	4 S	3.48	6.82	3	1.79	14.6	5	6.31	26
27	9.70	4	3.35	6.75	2 S	1.17	14.3	5	6.18	27
28	9.40	5	4.06	6.61	3	1.71	13.8	5	5.86	28
29	9.06	5	3.91	6.46	3	1.67	13.1	4	4.83	29
30	8.86	6 S	4.59	6.31	5 S	2.73	12.8	4	4.42	30
31	8.68	5	3.74	6.19	4	2.14				31
TOTAL	476.88		213.06	242.26		81.13	411.46		314.83	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	12.4	4 S	4.29	28.7	7	15.1	8.45 B	2	1.46	1
2	11.8	2 S	2.06	28.4	7	15.0	8.60 B	2	1.49	2
3	12.2	4	4.22	31.0	17	45.5	9.14 B	2 S	1.58	3
4	11.8	3	3.08	40.3	37	129	9.80 B	2	1.71	4
5	11.2	3	2.90	38.7	30 S	100	9.80 B	2	1.71	5
6	11.5	4	3.97	33.6	19	55.2	10.2 B	2	1.78	6
7	11.4	3	2.85	30.3	13	34.0	10.0 B	3	2.59	7
8	10.6	3 S	2.75	27.0	11	25.7	10.0 B	4	3.46	8
9	10.0	2	1.73	23.4	10	20.2	9.20 B	3	2.38	9
10	9.80	2	1.69	17.0 B	9	13.2	9.00 B	2	1.56	10
11	10.0	3	2.59	15.6 B	8	10.9	9.10 B	2	1.57	11
12	10.1	3	2.62	14.6 B	7 S	8.77	9.30 B	2	1.61	12
13	9.71	3	2.52	13.8 B	6	7.15	9.50 B	2	1.64	13
14	9.74	3	2.52	13.5 B	5	5.83	9.50 B	2	1.64	14
15	11.7	7 S	7.08	13.7 B	4	4.73	9.90 B	2	1.71	15
16	17.0	25	36.7	14.3 B	4	4.94	9.80 B	2	1.69	16
17	20.9	26	50.6	13.7 B	3	3.55	10.0 B	3	2.59	17
18	19.2	16	26.5	12.6 B	3	3.27	9.60 B	3	2.49	18
19	18.0	10	15.6	12.3 B	3 S	3.19	9.60 B	3	2.49	19
20	18.9	10	16.3	11.6 B	2	2.00	9.40 B	3	2.44	20
21	19.8	8	13.5	11.1 B	2	1.92	9.20 B	3	2.38	21
22	20.8	10 S	18.0	10.5 B	2	1.81	8.90 B	3	2.31	22
23	21.0	10	18.1	10.0 B	2	1.73	8.00 B	3	2.07	23
24	19.9	9	15.5	9.50 B	1	0.82	7.80 B	3	2.02	24
25	28.6	52 S	133	9.10 B	2	1.57	7.50 B	3	1.94	25
26	34.2	50	148	8.70 B	2 S	1.50	7.20 B	3	1.87	26
27	32.0	22	80.8	8.45 B	2	1.46	8.20 B	3	1.81	27
28	36.5	25	78.8	8.40 B	2	1.45	5.80 B	2	1.00	28
29	34.8	23 S	69.2	8.38 B	2	1.45	5.80 B	2	0.97	29
30	31.2	17	45.8	8.45 B	2	1.46	5.40 B	2	0.93	30
31	28.8	10	24.9				5.45 B	2 S	0.94	31
TOTAL	566.55		815.27	522.78		824.40	267.14		57.81	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		SINGLE SAMPLING VERTICAL (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 11	14:10	0.5	4.20	W	MID	X	DH48	1		172														
FEB 14	16:25	0.5	3.15	W	10RB	X	DH48	2																
MAR 25	14:25	2.0	3.20	W	10RB	X	DH48	1																
APR 01	08:48	2.0	4.36		WERB		DH48	3																
APR 08	08:43	1.5	5.67		WERB		DH48	4																
APR 15	08:38	1.5	55.3	Y	WERB		DH48	83		133														
APR 16	12:28	4.0	51.3	Y	WERB		DH48	38																
APR 17	08:35	2.0	51.7		WERB		DH48	47																
APR 18	08:33	2.5	49.2		WERB		DH48	37																
APR 19	08:38	2.0	43.6		WERB		DH48	33																
APR 20	08:38	1.5	39.7		WERB		DH48	18																
APR 21	08:40	1.0	38.2		WERB		DH48	11																
APR 30	08:43	2.0	70.4		WERB		DH48	50																
MAY 01	08:48	3.0	74.1		WERB		DH48	41		122														
MAY 03	08:53	3.0	115		WERB		DH48	231		128	4	5	16	35	82	90	99	100			10	85	5
MAY 04	08:53	2.5	132		WERB		DH48	188																
MAY 05	08:48	2.0	89.7		WERB		DH48	71																
MAY 08	08:03	3.0	85.3		WERB		DH48	36																
MAY 08	16:46	5.0	11.6		58.0	M	D49	27		122														
MAY 08	16:53	5.0	14.7		52.0	M	D49	28		128														
MAY 08	17:01	5.0	13.0		47.5	M	D49	24		129														
MAY 08	17:10	5.0	13.8		43.0	M	D49	27		113														
MAY 08	17:16	5.5	64.4		WERB		DH48	38																
MAY 08	17:21	5.0	12.5		37.0	M	D49	23		114														
MAY 11	09:38	3.5	62.1		WERB		DH48	22																
MAY 14	08:43	4.0	55.5		WERB		DH48	18		125														
MAY 18	07:16	4.0	59.4		WERB		DH48	139																
MAY 19	10:45	4.5	162	V	WERB		DH48	228		114	3	9	20	37	59	81	89	100			19	72	9
MAY 20	08:45	4.5	166	Y	WERB		DH48	187	A	124														
MAY 21	10:38	5.0	181		WERB		DH48	202		109	7	10	21	38	57	78	94	99	100		22	68	10
MAY 22	09:14	4.5	183		WERB		DH48	184																
MAY 23	08:18	4.5	182		WERB		DH48	180																
MAY 24	09:10	5.0	178		WERB		DH48	140																
MAY 26	07:43	5.0	172		WERB		DH48	100																
MAY 27	08:53	5.0	128		WERB		DH48	63																
MAY 28	15:30	8.0	110		49.0		PB1	36																
MAY 28	15:32	8.0	110		50.0		DH48	33																
MAY 29	12:07	8.0	100		49.0		PB1	32																
MAY 29	18:03	8.0	16.3		37.0	M	PB1	28		104														
MAY 29	18:13	8.0	19.6		41.5	M	PB1	34		107														
MAY 29	18:21	8.0	22.9		47.5	M	PB1	32		103														
MAY 29	18:31	8.0	19.6		52.0	M	PB1	36		105														
MAY 29	18:40	8.0	21.3		58.0	M	PB1	35		105														
MAY 30	12:35	8.0	85.8		49.0		PB1	45																
JUN 01	12:48	7.0	81.1		49.0		PB1	39		110														
JUN 02	12:20	9.0	88.4		49.0		PB1	22																
JUN 03	12:45	7.0	76.8		49.0		PB1	25																
JUN 04	12:48	7.0	71.1		49.0		PB1	21		118														
JUN 05	12:18	7.0	88.2		49.0		PB1	21																
JUN 06	12:28	7.0	70.2		49.0		PB1	22																
JUN 07	12:33	7.0	81.3		49.0		PB1	87																
JUN 08	12:35	5.0	170		49.0		PB1	331		112	7	10	19	31	45	60	77	89	97	100	40	50	10
JUN 09	12:20	6.0	104		49.0		PB1	55																
JUN 10	12:23	7.0	78.6		49.0		PB1	26																
JUN 11	12:36	8.0	88.1		49.0		PB1	21																
JUN 12	12:25	9.0	85.6		49.0		PB1	18																
JUN 13	16:23	9.0	63.3		49.0		PB1	15																
JUN 14	12:15	9.0	80.0		49.0		PB1	14																
JUN 15	12:48	9.0	58.7		49.0		PB1	17		117														
JUN 16	12:22	9.0	57.4		49.0		PB1	14																
JUN 17	12:15	10.0	51.2		49.0		PB1	15																
JUN 18	12:38	11.0	48.9		49.0		PB1	10																
JUN 19	11:05	10.0	45.2		49.0		PB1	13																
JUN 20	18:13	9.0	48.7		49.0		PB1	28																
JUN 21	13:08	10.0	46.1		49.0		PB1	20																
JUN 22	12:38	10.0	40.7		49.0		PB1	14																
JUN 23	12:35	10.0	37.0		49.0		PB1	11																
JUN 24	10:08	7.0	35.1		49.0		PB1	9																
JUN 25	12:27	8.0	32.9		49.0		PB1	5		131														
JUN 26	12:38	9.0	30.8		49.0		PB1	8																
JUN 27	09:06	8.0	29.4		49.0		PB1	8																
JUN 28	13:18	12.0	28.0		49.0		PB1	9																
JUN 29	12:13	12.0	28.0		49.0		PB1	9																
JUL 03	13:31	16.0	3.88		36.5	M	D49	4		104														
JUL 03	13:59	16.0	4.84		44.0	M	D49	5		127														
JUL 03	14:12	16.0	4.05		47.0	M	D49	4		128														
JUL 03	14:25	16.0	5.20		51.0	M	D49	6		132														
JUL 03	14:34	16.0	4.82		55.0	M	D49	5		134														
JUL 03	15:10	16.0	23.8		49.0		D49	6		131														
JUL 08	11:18	12.0	21.8		49.0		D49	4		183														
JUL 09	10:33	13.0	18.8		49.0		D49	7																
JUL 12	09:58	12.0	16.7		49.0		D49	5																
JUL 16	10:35	12.0	14.2		49.0		D49	7																
JUL 19	11:23	12.0	13.0		49.0		D49	3																
JUL 23	08:05	13.0	10.8		49.0		D49	3																
JUL 28	18:13	17.5	9.97		49.0		D49	4		185														
JUL 30	07:38	12.0	8.70		49.0		D49	8																
AUG 02	10:13	14.0	8.88		49.0		D49	2																
AUG 08	12:03	13.0	8.08	Y	49.0		D49	8																
AUG 09	10:30	10.0	8.17	Y	49.0		D49	1																
AUG 12	12:30	10.0	8.38	Y	49.0		D49	2		176														
AUG 15	12:18	10.0	1.80		5.0	Z	DH48	1		154														
AUG 15	12:21	10.0	1.39		12.0	Z	DH48	1		155														
AUG 15	12:28	10.0	1.42		17.0	Z	DH48	2		147														
AUG 15	12:31	10.0	1.78		21.0	Z	DH48	2		148														
AUG 15	12:36	10.0	1.79		25.0	Z	DH48	3		182														
AUG 15	15:13	10.0	6.83		49.0		D49	3																
AUG 20	10:16	12.0	7.48		MID	X	DH48	6																
AUG 23	21:05	12.0	7.78		MID	X	DH48	5																
AUG 27	11:38	12.0	8.61		MID	X	DH48	2		185														
AUG 30	16:02	15.0	8.33		MID	X	DH48	6																
SEP 03	12:35	10.0	8.22		MID	X	DH48	2		189														
SEP 10	10:33	7.0	8.60		MID	X	DH48	3																

NOTE : SINGLE VERTICAL LOCATED AT 85.5 METRES FOR 1985

DISCHARGE SYMBOL(S): V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

Z - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

CONTINUED

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		SINGLE SAMPLING VERTICAL		TYPE OF SAMPLER	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES								PERCENT		
		(C)	(m³/s)		(m)			(mg/L)	(mg/L)	.003	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
SEP 17	12:36	8.0	19.9		MID	X	DH48	9	148														
SEP 24	13:13	8.0	16.2		MID	X	DH48	6	149														
OCT 01	12:25	8.0	12.3		MID	X	DH48	4	151														
OCT 02	15:37	5.5	1.55		6.0	Z	DH48	2	144														
OCT 02	15:44	5.5	2.18		9.0	Z	DH48	2	138														
OCT 02	15:48	5.5	2.55		17.0	Z	DH48	1	142														
OCT 02	15:54	5.5	2.64		22.0	Z	DH48	2	149														
OCT 02	15:59	5.5	2.48		28.0	Z	DH48	3	142														
OCT 04	13:53	2.0	10.5		MID	X	DH48	3															
OCT 15	13:33	8.0	11.9		MID	X	DH48	7	150														
OCT 22	16:28	5.0	21.6		MID	X	DH48	11															
OCT 26	12:30	5.0	30.2		WERB	X	DIP	58	130														
OCT 29	13:23	2.0	34.4		MID	X	DH48	22															
NOV 05	13:53	2.0	38.0		48.0		D49	29	139														
NOV 12	13:03	0.1	14.5	W	48.0		D49	6	142														
NOV 19	14:15	0.1	12.3	W	WERB	X	DIP	3															
NOV 26	11:48	0.1	8.70	W	WERB	X	DIP	2	147														
DEC 03	15:02	0.1	5.14	W	MID	X	DH48	2	152														

NOTE : SINGLE VERTICAL LOCATED AT 85.5 METRES FOR 1985

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS
VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL
Z - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)			MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)			TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1984	----CCCCCCCC	MANUAL	358	MAY	30 *	0	OCT	3 *	5 300	MAY	31 *	28 400	---	---	---
1985	CCCCCCCCCCCC	MANUAL	331	JUN	08	1	JAN	11	3 830	JUN	08	43 200 *	118	118	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER AT HANSARD - STATION NO. 08KA004

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 54 04 43 N LONG 121 50 52 W
DRAINAGE AREA: 18 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 2 240 000 TONNES FOR THE PERIOD MAY 01 TO SEP 30

REMARKS:

	MAY			JUN			JUL			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	242	30	627	1 610	292 S	40 800	1 380	220 S	25 800	1
2	259	60 S	1 390	1 550	272 S	39 000	1 390	211 S	25 300	2
3	357	130 S	4 010	1 590	259 S	37 800	1 290	188	18 800	3
4	501	247 S	10 700	1 770	283 S	40 200	1 230	184 S	17 400	4
5	588	368 S	18 100	1 820	289 S	45 400	1 280	188 S	17 900	5
6	548	285 S	13 500	1 810	283	45 800	1 290	193 S	21 500	6
7	493	140 S	5 950	1 670	248 S	35 800	1 230	214 S	22 700	7
8	458	109 S	4 420	1 520	195 S	25 800	1 110	194 S	18 600	8
9	468	138 S	5 800	1 350	147	17 500	1 040	143 S	12 800	9
10	475	117 S	4 800	1 200	114	11 800	1 050	148 S	13 400	10
11	484	87	3 840	1 040	99 S	8 900	1 070	158 S	14 800	11
12	485	74 S	2 970	944	101 S	8 240	1 100	189 S	18 100	12
13	437	80 S	3 270	1 050	114 S	10 300	1 050	187 S	17 000	13
14	480	82 S	3 410	1 230	127 S	13 500	938	203 S	16 400	14
15	512	95 S	4 250	1 320	139 S	15 900	808	163 S	11 400	15
16	536	127 S	5 880	1 380	170 S	20 400	728	134 S	8 430	16
17	592	178 S	9 100	1 280	117 S	12 700	706	127 S	7 750	17
18	820	270	19 100	1 090	89 S	8 380	693	110 S	5 590	18
19	1 160	383	38 400	1 080	83 S	7 740	675	109 S	6 380	19
20	1 410	491	59 800	1 280	125 S	13 800	686	101 S	5 810	20
21	1 510	540 S	70 500	1 440	184 S	20 400	672	98 S	5 890	21
22	1 600	497 S	68 700	1 380	210 S	28 000	698	124 S	7 480	22
23	1 750	517	78 200	1 220	181 S	17 000	742	172 S	11 000	23
24	1 930	584 S	97 400	1 080	118 S	10 800	764	183 S	12 100	24
25	2 110	646 S	99 400	882	143 S	11 900	755	190	12 400	25
26	2 170	595 S	112 000	821	104 S	8 280	714	188 S	11 500	26
27	1 980	469 S	80 200	900	90 S	7 000	645	148 S	8 250	27
28	1 750	378 S	57 200	843	95 S	7 740	591	127 S	6 480	28
29	1 610	344	46 100	898	107	8 230	544	105 S	4 940	29
30	1 570	318 S	43 300	1 100	128 S	12 200	521	82 S	4 140	30
31	1 570	303 S	41 100				519	80 S	4 040	31
TOTAL	30 825		1 011 817	38 738		588 710	27 837		392 780	TOTAL

	AUG			SEP						
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	530	101 S	4 620	388	57	1 750				
2	551	132 S	6 280	348	45 S	1 350				1
3	595	148 S	7 610	330	35	998				2
4	638	185 S	10 200	308	32	848				3
5	670	255 S	14 800	318	34 S	928				4
6	681	228 S	13 400	433	78	2 920				5
7	697	185 S	9 840	804	82	5 570				6
8	630	139 S	6 370	408	61	1 800				7
9	632	117 S	5 380	343	38 S	1 130				8
10	654	120 S	6 740	308	29	787				9
11	583	118 S	5 880	288	24	593				10
12	604	133 S	6 750	274	21 S	497				11
13	482	87 S	4 040	278	21	504				12
14	474	76 S	3 190	318	56	1 540				13
15	435	85 S	3 190	372	74	2 380				14
16	438	78 S	2 940	400	63 S	2 140				15
17	458	78 S	3 090	515	183	7 280				16
18	421	96 S	3 490	883	305	9 870				17
19	389	88 S	3 070	478	122	5 020				18
20	406	82 S	2 880	440	74	2 810				19
21	418	79 S	2 840	540	138	5 970				20
22	388	96 S	3 270	882	244	14 000				21
23	374	83 S	2 880	850	171	8 130				22
24	368	53 S	1 830	495	121	5 070				23
25	380	59 S	1 940	478	88	3 840				24
26	395	81 S	2 980	483	88	2 720				25
27	420	89 S	3 230	432	57	2 130				26
28	384	121 S	4 010	417	45	1 680				27
29	359	99 S	3 070	382	40	1 320				28
30	350	88 S	2 980	352	38	1 090				29
31	350	82	1 870							30
										31
TOTAL	14 818		149 750	12 332		94 493				TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER AT HANSARD - STATION NO. 08KA004

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	PANEL DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
								.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
JUN 06	12:15	9.0	427	216	0.15	127	58	DATA NOT AVAILABLE												
JUN 06	12:16E	9.0	427	216	1.46	133	62	DATA NOT AVAILABLE												
JUN 06	12:17E	9.0	427	216	2.92	131	58	DATA NOT AVAILABLE												
JUN 06	12:18E	9.0	427	216	4.38	141	58	DATA NOT AVAILABLE												
JUN 06	12:19E	9.0	427	216	5.84	228	67	DATA NOT AVAILABLE												
JUN 06	12:20	9.0	427	216	7.15	240	67	DATA NOT AVAILABLE												
JUN 06	12:21	9.0		216	7.30			STREAMBED												
JUN 06	12:30	9.0	270	141	0.15	155	68	DATA NOT AVAILABLE												
JUN 06	12:34E	9.0	270	141	1.08	189	63	DATA NOT AVAILABLE												
JUN 06	12:38E	9.0	270	141	3.15	203	64	DATA NOT AVAILABLE												
JUN 06	12:42E	9.0	270	141	3.26	235	65	DATA NOT AVAILABLE												
JUN 06	12:46E	9.0	270	141	4.34	388	66	DATA NOT AVAILABLE												
JUN 06	12:50	9.0	270	141	5.27	447	63	DATA NOT AVAILABLE												
JUN 06	12:51	9.0		141	5.42			STREAMBED												
JUN 06	13:05	9.0	309	113	0.15	136	67	DATA NOT AVAILABLE												
JUN 06	13:06E	9.0	309	113	1.43	172	66	DATA NOT AVAILABLE												
JUN 06	13:07E	9.0	309	113	2.86	205	67	DATA NOT AVAILABLE												
JUN 06	13:09E	9.0	309	113	4.28	287	66	DATA NOT AVAILABLE												
JUN 06	13:10E	9.0	309	113	5.71	294	62	DATA NOT AVAILABLE												
JUN 06	13:11	9.0	309	113	6.99	433	66	DATA NOT AVAILABLE												
JUN 06	13:12	9.0		113	7.14			STREAMBED												
JUN 06	13:20	9.0	409	88	0.15	121	66	DATA NOT AVAILABLE												
JUN 06	13:22E	9.0	409	88	1.40	116	71	DATA NOT AVAILABLE												
JUN 06	13:24E	9.0	409	88	2.80	133	66	DATA NOT AVAILABLE												
JUN 06	13:28E	9.0	409	88	4.20	151	63	DATA NOT AVAILABLE												
JUN 06	13:28E	9.0	409	88	5.60	211	72	DATA NOT AVAILABLE												
JUN 06	13:30	9.0	409	88	6.85	553	66	DATA NOT AVAILABLE												
JUN 06	13:31	9.0		88	7.00			STREAMBED												
JUN 06	13:40E	9.0	333	31	0.15	96	68	DATA NOT AVAILABLE												
JUN 06	13:41E	9.0	333	31	1.38	105	70	DATA NOT AVAILABLE												
JUN 06	13:43E	9.0	333	31	2.75	113	75	DATA NOT AVAILABLE												
JUN 06	13:45	9.0	333	31	4.15	116	73	DATA NOT AVAILABLE												
JUN 06	13:47E	9.0	333	31	5.34	117	75	DATA NOT AVAILABLE												
JUN 06	13:49E	9.0	333	31	5.77	128	68	DATA NOT AVAILABLE												

NOTE : SINGLE VERTICAL LOCATED AT 114 METRES FOR 1985

TIME SYMBOL: E - ESTIMATED

FRASER RIVER AT HANSARD - STATION NO. 08KA004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MAY-SEP MEAN LOAD (TONNES)	SUMMARY : MAY-SEP HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-SEP STANDARD ERROR OF MEAN %
1972	----CCCCCCC-	MANUAL	933	MAY 14	9	NOV 07	202 000	JUN 01	4 780 000 *	30 700	30 700	---
1973	---PCCCCCC--	MANUAL	1 250	JUN 08	36	SEP 24	198 000	JUN 08	3 800 000	22 800	28 800	14.7
1974	PPP-CCCCCCCC	MANUAL	686	JUN 17	3	MAR 18	123 000	JUN 17	2 910 000	18 100	23 900	15.4
1976	CCCCCCCCCCCC	MANUAL	1 850	AUG 18 *	2	JAN 21 *	221 000	JUL 02 *	3 380 000	21 500	23 300	11.4
1977	CCCCCCCCCCCC	MANUAL	880	JUN 08	2	MAR 18	103 000	JUN 08	3 480 000	14 200	21 500	12.8
1978	CCCCCCCCCCCC	MANUAL	851	JUN 04	4	JAN 20	82 200	JUN 07	1 760 000	10 300	19 800	14.9
1979	CCCCCCCCCCCC	MANUAL	536	MAY 28	2	JAN 23	82 700	JUN 06	2 220 000	13 900	18 800	13.8
1980	CCCCCCCCCCCC	MANUAL	558	APR 30	3	DEC 12	58 800	APR 30	1 720 000	8 550	17 500	14.8
1981	CCCCCCC-----	MANUAL	622	APR 25	6	FEB 05	81 800	MAY 27	1 580 000	---	---	---
1982	CCCCCCCCC---	MANUAL	757	MAY 19	4	MAR 25	147 000	SEP 10	4 260 000	27 800	18 700	13.6
1983	----CCCCC---	MANUAL	519	JUN 01	18	SEP 21	83 800	JUN 01	1 100 000	7 220	17 500	14.6
1984	P--CCCCCP---	MANUAL	827	JUN 15	6	JAN 26	76 700	JUN 15	2 000 000	---	---	---
1985	----CCCCC---	MANUAL	595	MAY 28	21	SEP 12	112 000	MAY 28	2 240 000	14 800	17 200	13.5

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 07 39 N LONG 122 18 08 W
DRAINAGE AREA: 228 000 km²
TYPE OF FLOW: REGULATED SINCE 1952
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 15 600 000 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	1 000 B	15	1 300	1 250	9	972	1 280	30 S	3 320	1
2	1 100 B	14	1 330	1 200	9	933	1 230	25 S	2 850	2
3	1 200 B	13	1 350	1 240	10	1 070	1 210 A	22	2 300	3
4	1 280 B	12	1 330	1 180	10	1 000	1 220	20	2 110	4
5	1 340 B	12	1 390	1 230	10	1 050	1 180	19	1 900	5
6	1 400 B	11	1 330	1 050	12	1 080	1 130	17	1 850	6
7	1 320 B	10	1 140	1 220	17	1 790	1 100	17 S	1 820	7
8	1 370 B	10 S	1 180	1 210	23	2 400	1 080	15 S	1 410	8
9	1 410 B	10	1 220	1 190	28 S	2 880	1 180	14	1 430	9
10	1 310 B	10	1 130	1 150	26	2 580	1 060	14	1 280	10
11	1 410 B	11	1 340	1 200	24	2 480	1 100	14 S	1 330	11
12	1 310 B	11	1 250	1 210	23	2 400	1 280	14	1 550	12
13	1 320	12	1 370	1 210	22	2 300	1 320	13	1 480	13
14	1 380	13	1 530	1 180	21	2 140	1 220	13	1 370	14
15	1 350	13	1 520	1 050	21	1 910	1 140	13	1 280	15
16	1 340	14 S	1 620	1 130	21 S	2 050	1 050 A	12	1 090	16
17	1 270	16	1 760	1 110	21	2 010	1 200	12 S	1 240	17
18	1 390	17	2 040	1 050	21	1 910	1 290	11	1 230	18
19	1 390	18 S	2 280	1 050	22	2 000	1 210	11	1 150	19
20	1 440	21	2 610	1 080	23	2 110	1 100	10	950	20
21	1 410	22	2 880	1 070	23	2 130	1 080	10	933	21
22	1 380	18	2 120	1 180	27	2 750	1 080	11 S	1 030	22
23	1 390	14	1 880	1 140	36	3 550	1 010	12	1 050	23
24	1 390	12	1 440	1 430	47	5 810	1 130	15 S	1 460	24
25	1 370	11	1 300	1 330	40 S	4 800	1 290	15	1 670	25
26	1 300	10	1 120	1 320	29 S	3 310	1 210	15	1 670	26
27	1 280	9	1 000	1 250	24	2 890	1 350	14	1 830	27
28	1 240	9	984	1 180	26	2 850	1 240	16	1 710	28
29	1 380	9 S	1 070				1 220	17	1 780	29
30	1 320	8	912				1 250	17	1 850	30
31	1 370	9	1 070				1 340	17	1 970	31
TOTAL	41 130		45 376	33 050		84 485	35 780		49 023	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	1 340	18	2 080	2 770	55 S	13 200	9 970	451	388 000	1
2	1 520	28 S	3 680	2 640	44 S	10 000	9 890	422 S	364 000	2
3	1 720	85	9 850	2 700	48 S	11 200	10 000	390 S	337 000	3
4	1 640	37	5 240	2 790	49 S	11 800	10 300	380 S	320 000	4
5	1 640	22	3 120	3 040	66	17 300	10 400	338 S	304 000	5
6	1 610	16	2 230	3 370	120 S	34 900	10 300	499 S	444 000	6
7	1 580	14	1 910	3 790	254 S	83 200	10 800	646	592 000	7
8	1 720	13	1 930	3 980	313 S	108 000	10 900	481 S	453 000	8
9	1 830	11	1 830	3 900	249 S	83 900	10 400	302 S	271 000	9
10	2 090	10 S	1 810	3 830	199	65 900	9 780	241 S	203 000	10
11	2 220	11	2 110	3 840	159 S	52 800	9 210	231	184 000	11
12	2 570	18	4 000	3 820	148 S	48 800	8 780	224	170 000	12
13	2 590	34	7 610	3 810	129 S	42 500	8 330	189 S	143 000	13
14	2 850	58	18 700	3 770	131 S	42 700	7 880	179 S	123 000	14
15	3 090	151	40 300	3 710	100 S	32 100	7 820	174	118 000	15
16	3 220 A	307	85 400	3 820	102 S	33 700	7 830	184 S	112 000	16
17	3 400	503	148 000	4 240	150 S	55 000	7 830	155	106 000	17
18	3 490	563	170 000	4 850	252 S	106 000	8 030	149 S	103 000	18
19	3 570	437 S	135 000	5 380	324 S	150 000	8 090	183 S	128 000	19
20	3 490	318 S	95 400	5 880	374 S	190 000	7 960	150 S	103 000	20
21	3 380	250 S	73 000	6 530	559 S	315 000	7 700	128	85 200	21
22	3 250	225 S	63 500	7 250	773	484 000	7 820	122 S	80 300	22
23	3 170	198 S	54 500	7 880	714 S	485 000	7 730	116 S	77 500	23
24	3 120	156	42 100	8 470	641 S	469 000	7 780	108 S	73 400	24
25	2 980	127 S	32 700	9 100	804	475 000	7 530	98	63 800	25
26	2 780	108 S	26 200	8 640	584 S	486 000	7 180	86	53 400	26
27	3 170	118	31 800	10 300	570 S	507 000	6 840	79 S	46 700	27
28	3 180	150 S	41 000	10 800	581 S	528 000	6 540	73 S	41 200	28
29	2 950	100 S	25 500	11 000	546 S	519 000	6 250	67	36 200	29
30	2 810	70 S	17 000	10 800	511 S	488 000	6 080	65	34 100	30
31				10 200	478 S	422 000				31
TOTAL	78 020		1 145 310	177 780		6 352 000	256 030		5 558 800	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER AT MISSION - STATION NO. 08MH024

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	6 020	75 S	39 000	3 780	50	16 200	2 280	27 S	5 320	1
2	6 030	83 S	48 500	3 700	52	16 600	2 250	27	5 250	2
3	6 180	100 S	53 500	3 800	56	17 400	2 210	30	5 730	3
4	6 520	117	65 900	3 680	80	19 100	2 190	38	7 190	4
5	6 550	150	84 900	3 700	65	20 800	2 180	54	10 100	5
6	6 380	146 S	80 800	3 730	69 S	22 200	2 400	55	11 400	6
7	6 220	128	68 800	3 730	70	22 600	2 320	51	10 200	7
8	6 180	115 S	61 400	3 770	69 S	22 500	2 210	49 S	9 380	8
9	6 180	104	55 600	3 680	67	21 200	2 290	48	9 100	9
10	6 070	95 S	49 800	3 630	65	20 400	2 330	41	8 250	10
11	5 890	88	44 800	3 450	62	18 600	2 310 A	38	7 190	11
12	5 710	82	40 500	3 320	60	17 200	2 200 A	28	5 510	12
13	5 650	77	37 800	3 370	58	18 900	2 080 A	23	4 080	13
14	5 610	72 S	34 900	3 380	55	18 100	2 080 A	20	3 580	14
15	5 550	72	34 500	3 190	52 S	14 300	2 010 A	17	2 950	15
16	5 420	80 S	37 500	3 140 A	48	13 000	1 820 A	15 S	2 380	16
17	5 220	72	32 500	3 050	45	11 900	2 220	15	2 880	17
18	4 840	62	26 500	3 000	43 S	11 100	2 260	16	3 120	18
19	4 730	57	23 300	2 950	40	10 200	2 480	36	7 710	19
20	4 580	56	22 200	2 920 A	38	9 590	2 560	73	16 800	20
21	4 500	55 S	21 400	2 890	35	8 990	2 530	87	15 200	21
22	4 450	54	20 800	2 710 A	34	7 950	2 420	49	10 200	22
23	4 430	54	20 700	2 720	33	7 760	2 270 A	42	8 240	23
24	4 430	58	22 200	2 720	31 S	7 290	2 480 A	46	9 880	24
25	4 420	69 S	26 400	2 850	30	6 870	2 520	81 S	13 800	25
26	4 400	63	24 000	2 580	30	6 690	2 510	48	10 400	26
27	4 330	52	19 500	2 550	29	6 390	2 210	25	4 770	27
28	4 280	49	18 100	2 550	29	6 390	2 220	23	4 410	28
29	4 140	48	17 200	2 480	28	5 930	2 120	24	4 400	29
30	4 000	46	15 800	2 440	28	5 900	2 090	23 S	4 150	30
31	3 880	48 S	16 100	2 430	27	5 670				31
TOTAL	162 920		1 165 300	97 420		413 630	68 290		223 500	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	2 060	22	3 820	2 570	48	10 900	805 B	3	209	1
2	1 940 A	22	3 690	3 400	69	20 300	820 B	3	213	2
3	1 920 E	22	3 650	3 280	53	14 900	840 B	2	145	3
4	1 900 A	24	3 940	3 030	41 S	10 700	890 B	2	154	4
5	1 790 A	29	4 490	2 820	40 S	9 750	990 B	4	342	5
6	1 750 E	34 S	5 140	2 820	33	7 470	1 150 B	4	397	6
7	1 700 E	26 S	4 110	2 540	21 S	4 610	1 120 B	4	387	7
8	1 680 E	21 S	3 010	2 460	10	2 130	1 290 B	4	446	8
9	1 620	18	2 520	2 380	6	1 220	1 350 B	4	467	9
10	1 590 E	16	2 200	2 230	3	578	1 290 B	4	448	10
11	1 580	15	2 020	2 060 A	2	355	1 270 B	4	439	11
12	1 820	17	2 380	1 990	2 S	344	1 240 B	4	429	12
13	1 840	51	7 230	1 820	2	314	1 310 B	4	453	13
14	1 800	126 S	18 500	1 700	2	294	1 320 B	4	456	14
15	2 270	157	30 800	1 620	2	280	1 220	4	422	15
16	2 590	151	33 800	1 730	3	448	1 210	3	314	16
17	2 680	165	38 300	1 720	3 S	445	1 220	2	211	17
18	2 520	193	48 700	1 520 B	3	394	1 210	2	209	18
19	3 230	203	56 700	1 510 B	3	391	1 180	2	204	19
20	3 470	155	46 800	1 320 B	3	342	1 180	3	301	20
21	3 140	111	30 100	1 200 B	3	311	1 200	3	311	21
22	3 080	76	19 800	1 100 B	2	190	1 200	3	311	22
23	3 070	50	13 300	1 010 B	3	262	1 210	4	418	23
24	3 070	37	9 810	980 B	3	249	1 220 A	4 S	422	24
25	3 280	34	9 580	920 B	3	238	1 130	5	488	25
26	3 030	32	8 380	880 B	3	228	1 180 A	4	408	26
27	3 430	31	9 180	880 B	3	223	1 180 A	4 S	408	27
28	3 520	31	9 430	840 B	3	218	1 060 A	5	458	28
29	3 040	31	8 140	820 B	3	213	1 080 A	6 S	560	29
30	2 780	34	8 080	810 B	3	210	1 110 A	6	575	30
31	2 840	37	8 440				1 110 A	7 S	671	31
TOTAL	75 720		456 950	53 680		88 509	35 565		11 674	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE VERTICAL SAMPLING (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 08	12:23	0.1	1370	W	274		P63	5		107														
JAN 15	17:00	2.0	1630		274		P63	8		107														
JAN 19	11:00	2.0	1680		274		P63	25																
JAN 29	17:50	1.0	1710		274		P63	9		113														
FEB 09	10:30	3.0	178		274		P63	23		104														
FEB 15	10:20	2.5	1580		274		P63	21		117														
FEB 25	15:29	4.0	2040		274		P63	39		105														
FEB 26	10:20	4.0	740		274		P63	28		106														
FEB 26	18:05	4.0	1700		274		P63	26																
FEB 28	16:20	4.0	1620		274		P63	80	A															
MAR 01	16:35	4.0	1580		274		P63	30		108														
MAR 02	17:10	5.0	1510		274		P63	24																
MAR 05	18:30	5.0	1460		274		P63	48	A															
MAR 07	18:35	5.0	-481		274		P63	17																
MAR 08	18:30	4.5	-338		274		P63	15																
MAR 11	18:30	4.0	1700		274		P63	14		104														
MAR 17	18:25	5.0	1600		274		P63	12																
MAR 22	09:58	4.0	1310		274		P63	10		98														
MAR 24	18:00	5.0	1470		274		P63	15		98														
APR 02	18:00	5.0	1550		274		P63	32		102														
APR 10	17:40	5.0	2310		274		P63	11																
APR 18	18:00	5.0	3480	H	274		P63	84	A	93														
APR 19	18:42	5.0	3400		274		P63	402		90	15	23	38	59	80	93	97	100			7	70	23
APR 20	18:38	5.0	3240		274		P63	295		95	15	21	35	53	85	78	91	98	100		22	57	21
APR 21	18:50	6.0	3300		274		P63	238																
APR 22	17:22	5.0	3400		274		P63	226		91	15	24	37	58	78	85	91	95	98	100	15	61	24
APR 23	18:00	7.0	3370		274		P63	189																
APR 25	12:37	6.0	3700		274		P63	121		94	16	26	52	70	82	91	97	98	100		9	85	26
APR 25	18:10	6.0	3140		274		P63	125		96	14	23	39	58	74	83	88	93	100		17	80	23
APR 26	18:50	6.0	3090		274		P63	106																
APR 28	17:30	7.0	3220		274		P63	157																
APR 29	18:15	7.0	3010		274		P63	97		92														
APR 30	17:20	8.0	2840		274		P63	76																
MAY 01	17:34	9.0	2680		274		P63	57																
MAY 02	12:58	8.0	3010		274		P63	85		92														
MAY 03	17:35	9.0	2840		274		P63	54																
MAY 04	19:24	9.0	1840		274		P63	42																
MAY 05	18:50	10.0	3720		274		P63	180		90	12	20	31	50	68	78	88	93	97	100	21	59	20
MAY 07	16:01	10.0	4130		274		P63	321		102	13	17	28	45	65	83	92	96	98	100	17	66	17
MAY 07	15:18	10.0	712		91.4	M	P63	289		91	15	24	38	56	74	90	100				10	66	24
MAY 07	15:25	10.0	982		183	M	P63	307		92	11	19	31	47	68	85	97	100			14	67	19
MAY 07	15:32	10.0	939		274	M	P63	310		95	11	17	27	45	65	84	93	98	100		18	67	17
MAY 07	15:36	10.0	936		365	M	P63	252		92	11	20	33	52	75	92	98	100			8	72	20
MAY 07	15:41	10.0	933		457	M	P63	233		97	17	25	38	52	83	95	100				5	70	25
MAY 07	16:00	10.0	4130		274		P63	366		110	9	14	24	38	57	78	87	96	100		24	62	14
MAY 07	17:58	9.0	4080		274		P63	363		96	9	15	27	43	62	78	92	98	100		21	64	15
MAY 08	18:45	9.0	4180		274		P63	383		98	11	20	31	48	65	81	93	99	100		19	61	20
MAY 08	17:20	9.0	4150		274		P63	316																
MAY 11	15:00	9.0	3910		274		P63	194		84	10	17	30	50	63	78	88	95	99	100	24	59	17
MAY 12	19:30	10.0	4020		274		P63	181																
MAY 13	17:05	9.0	3780		274		P63	122																
MAY 14	11:13	8.0	3870		274		P63	102		91	12	19	31	48	59	83	90	95	98	100	31	60	19
MAY 14	16:05	8.0	3730		274		P63	146		91	13	17	28	47	80	70	87	97	100		30	53	17
MAY 15	20:00	12.0	3640		274		P63	125		98														
MAY 16	19:00	12.0	3850		274		P63	123																
MAY 17	18:30	13.0	4100		274		P63	207		82	8	13	23	38	54	78	90	98	100		24	63	13
MAY 18	18:25	12.0	4850		274		P63	334		87	8	13	21	32	45	64	83	93	98	100	38	61	13
MAY 19	18:40	12.0	5400		274		P63	388		77	5	10	18	28	43	63	83	98	100		37	63	10
MAY 20	18:50	12.0	6030		274		P63	472		72	5	11	17	28	45	63	88	98	99	100	37	62	11
MAY 21	17:50	13.0	5840		274		P63	747		85	5	9	16	27	42	61	80	93	98	100	39	62	9
MAY 23	08:53E	11.5	7840		274		P63	783		94	6	10	17	28	41	58	77	87	94	100	41	49	10
MAY 23	08:18	11.5	1370		91.4	M	P63	694		88	8	14	21	35	50	68	87	96	98	100	32	64	14
MAY 23	08:23	11.5	1620		183	M	P63	715		93	9	14	23	36	50	67	88	95	98	100	33	63	14
MAY 23	08:28	11.5	1650		274	M	P63	683		97	6	13	21	34	50	69	84	94	99	100	31	68	13
MAY 23	08:35	11.5	1600		366	M	P63	889	A	94	5	9	15	23	33	45	64	78	88	100	55	38	8
MAY 23	08:42	11.5	1290		457	M	P63	498		87	10	17	27	42	63	88	98	100			15	68	17
MAY 23	08:57E	11.5	7840		274		P63	744		92	6	11	19	31	48	63	79	87	95	100	37	52	11
MAY 23	17:40	12.0	8120		274		P63	799		84	7	10	17	27	39	57	73	85	93	100	43	47	10
MAY 24	17:40	12.0	8770		274		P63	827		78	5	8	15	25	35	50	68	78	94	100	50	41	9
MAY 26	17:30	13.0	9880		274		P63	879		77	5	11	17	26	38	50	69	79	94	100	50	39	11
MAY 27	18:20	11.0	10600		274		P63	780		82	5	10	15	24	33	45	59	74	93	100	54	38	10
MAY 28	18:20	11.0	11000		274		P63	718		74	7	11	18	28	37	50	68	78	90	100	50	39	11
MAY 28	12:02	10.5	11000		274		P63	713		81	7	13	20	30	40	50	65	79	92	100	50	37	13
MAY 29	12:30	10.5	2070		91.4	M	P63	559		80	12	18	28	38	50	64	80	94	100		35	48	16
MAY 29	12:40	10.5	2620		183	M	P63	610		82	10	15	23	33	44	57	72	87	97	100	43	42	15
MAY 29	12:45	10.5	2380		274	M	P63	642		78	9	14	23	33	43	53	68	78	90	100	47	38	14
MAY 29	12:53	10.5	2220		366	M	P63	487		79	11	19	28	41	54	69	81	91	97	100	31	50	19
MAY 29	12:58	10.5	1830		457	M	P63	385		75	13	22	35	51	67	84	93	97	99	100	18	62	20
MAY 29	13:20	10.5	11000		274		P63	695		78	7	12	20	30	40	52	64	78	88	100	48	40	12
MAY 29	18:20	10.0	11000		274		P63	657		78	8	13	20	29	38	48	61	81	94	100	54	33	13
MAY 30	18:45	11.0	10500		274		P63	487		77	6	11	19	28	38	49	64	80	94	100	51	38	11
MAY 31	18:00	12.0	8870		274		P63	581		78	4	7	12	18	23	31	41	58	93	100	69	24	7
JUN 02	18:00	13.0	8840		274		P63	438		78	4	8	13	19	24	31	44	65	92	100	69	22	9
JUN 03	18:00	12.0	10100		274		P63	589		75	4	6	10	14	18	23	31	48	70	100	77	17	6
JUN 04	19:40	12.0	10400		274		P63	491	C	74														
JUN 05	17:50	12.0	10800		274		P63	472	C															
JUN 06	17:35	12.0	10800		274		P63	821		84	2	5	8	11	15	18	24	34	49	100	82	13	5
JUN 08	20:20	12.0	11000		274		P63	819		70	3	5	10	15	20	25	32	50	68	100	75	20	5
JUN 09	18:50	12.0	10400		274		P63	378	C															
JUN 10	18:50	13.0	9870		274		P63	400	C															
JUN 13	11:02	12.0	1830		91.4	M	P63	317		73	11	14	23	35	44	58	77	90	98	100	44	42	14
JUN 13	11:09	12.0	1870		183	M	P63	288		70	6	11	17	24	31	40	58	72	83	100	60	29	11
JUN 13	11:17	12.0	1890		274	M	P63	213		72	11	17	24	32	40	51	65	76	84	100	49	34	17
JUN 13	11:22	12.0	1730		366	M	P63	184		68	11	18	26	41	53	68	78	88	97	100	34	48	18
JUN 13	11:23	12.0	8420		274		P63	308		70	6	12	17	23	28	38	55	76	95	100	62	26	12
JUN 13	11:28	12.0	1500		457	M	P63	116		84	17	24	37	54	69	86	97	100			14	62	24
JUN 13	19:30	12.0	8190		274		P63	514		72	2	4	8	13	17	23	32	48	86	100	78	18	4
JUN 14	18:25	13.0	7860		274		P63	234		71														
JUN 15	20:00	14.0	7720		274		P63	300		88	4	8	12	18	24	31	43	58	88	100	69	25	6
JUN 15	20:45	15.0	7810		274		P63	233																
JUN 15	16:40	14.5	8240		274		P63	297		83	4	7	11	17	24	31	40	58	93	100	69	24	7
JUN 20	20:30	14.0	7880		274		P63	201																
JUN 22	19:05	14.0	7790		274		P63	202																

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES FOR 1985

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER AT MISSION - STATION NO. 08MH024 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		SINGLE SAMPLING VERTICAL		TYPE OF SAMPLER	INSTANT. CONCENT.		DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES											PERCENT		
											.003	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(C)	(m³/s)		(m)			(mg/L)		(mg/L)														
JUN 23	19:00	13.0	7850		274		P63	169		62	2	5	10	20	30	48	63	78	90	100		62	40	8
JUN 24	20:40	13.0	7670		274		P63	197																
JUN 27	19:35	14.0	6850		274		P63	177																
JUN 28	19:00	15.0	6450		274		P63	83		56														
JUL 01	18:10	18.0	5850		274		P63	136																
JUL 02	13:09	14.0	6250		274		P63	124		73														
JUL 02	13:26	14.0	1080		91.4	M	P63	102		77														
JUL 02	13:32	14.0	1160		183	M	P63	117		75														
JUL 02	13:37	14.0	1330		274	M	P63	111		76														
JUL 02	13:42	14.0	1360		366	M	P63	82		76														
JUL 02	13:47	14.0	1040		457	M	P63	84		75														
JUL 02	14:07	14.0	6240		274		P63	139		74														
JUL 02	18:00	16.0	6250		274		P63	147																
JUL 03	20:30	17.0	6040		274		P63	151																
JUL 05	19:50	17.0	5500		274		P63	205		63	14	17	26	39	47	54	64	80	94	100		46	37	17
JUL 08	12:41	17.0	5180		274		P63	187	C	70														
JUL 10	19:25	18.0	5100		274		P63	131		63														
JUL 14	10:35	17.0	5850		274		P63	100																
JUL 15	13:32	17.0	5730		274		P63	133		70														
JUL 15	13:57	17.0	965		91.4	M	P63	92		75														
JUL 15	14:01	17.0	1180		183	M	P63	100		75														
JUL 15	14:07	17.0	1160		274	M	P63	81		68														
JUL 15	14:12	17.0	949		366	M	P63	76		63														
JUL 15	14:44	17.0	918		457	M	P63	59		63														
JUL 15	14:58	17.0	5720		274		P63	116		68														
JUL 21	19:05	18.0	4880		274		P63	70																
JUL 25	18:20	19.0	4610		274		P63	89		57														
JUL 31	18:40	19.0	3210		274		P63	57																
AUG 05	09:40	19.0	3780		274		P63	76		54														
AUG 08	19:30	17.0	3710		274		P63	74		52														
AUG 15	10:00	17.0	3610		274		P63	58																
AUG 15	11:03	17.0	3640		274		P63	53		66														
AUG 18	10:35	19.0	3300		274		P63	45		63														
AUG 24	08:15	19.0	3020		274		P63	31																
SEP 01	08:00	19.0	1850		274		P63	27																
SEP 08	19:20	18.5	2410		274		P63	49		64														
SEP 15	20:35	19.0	328		274		P63	58	A															
SEP 16	09:49	13.0	2090		274		P63	16		59														
SEP 25	18:05	14.0	916		274		P63	67		71														
SEP 30	18:30	14.5	1440		274		P63	23																
OCT 06	18:53	11.0	1750	Y	274		P63	35																
OCT 07	11:14	10.0	1700	Y	274		P63	26		74														
OCT 08	11:47	10.5	1680	Y	274		P63	20		82														
OCT 08	12:11	10.5	313		91.4	M	P63	18		83														
OCT 08	12:18	10.5	389		183	M	P63	20		84														
OCT 08	12:28	10.5	380		274	M	P63	24		83														
OCT 08	12:35	10.5	401		366	M	P63	22		77														
OCT 08	12:41	10.5	389		457	M	P63	22		78														
OCT 08	13:00	10.5	1660	Y	274		P63	19		76														
OCT 14	12:00	10.0	2530		274		P63	129																
OCT 22	16:25	10.0	2450		274		P63	1	A	70														
OCT 29	18:00	8.5	3030		274		P63	2	A															
NOV 04	14:35	8.0	2850		274		P63	40																
NOV 05	09:19	6.0	2890		274		P63	41		79														
NOV 07	13:50	7.0	1190		274		P63	20		73														
NOV 12	12:00	5.0	2800		274		P63	2																
NOV 17	13:30	3.0	1040		274		P63	3		75														
DEC 10	15:27	1.0	813		274		P63	17	A	117														
DEC 24	14:50	0.5	946		274		P63	4		81														
DEC 27	10:20	1.0	873		274		P63	4																
DEC 28	14:25	1.0	1880		274		P63	6																
DEC 31	15:00	1.5	2070		274		P63	7		76														

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES FOR 1985

DISCHARGE SYMBOL(S): Y - DAILY MEAN; ESTIMATED
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	PANEL DISCHARGE (m³/s)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAY 29	13:54	10.5	2070	91.4	0.15	386	82	15	28	43	60	76	91	100					8	63	29
MAY 29	13:52	10.5	2070	91.4	2.40	439	84	12	21	33	49	65	81	96	100				19	80	21
MAY 29	13:51	10.5	2070	91.4	4.80	511	74	11	19	28	43	58	71	88	95	100			28	53	19
MAY 29	13:49	10.5	2070	91.4	7.20	580	81	9	17	26	36	46	60	85	98	100			40	43	17
MAY 29	13:47	10.5	2070	91.4	9.60	583	80	10	15	24	36	44	55	82	97	100			45	40	15
MAY 29	13:45	10.5	2070	91.4	10.8	806	81	9	13	21	31	43	60	83	91	100			60	37	13
MAY 29	13:42	10.5	2070	91.4	11.7	1310	76	7	11	16	23	28	34	53	89	100			66	23	11
MAY 29	13:41	10.5		91.4	12.0			STREAMBED													
MAY 29	14:14	10.5	2620	183	0.15	483	84	14	22	32	45	58	73	89	98	100			27	51	22
MAY 29	14:12	10.5	2620	183	2.69	482	78	15	20	30	44	58	76	87	97	100			30	50	20
MAY 29	14:10	10.5	2620	183	5.77	521	85	11	18	25	43	56	67	83	94	100			33	49	18
MAY 29	14:09	10.5	2620	183	8.86	843	84	10	15	24	35	44	55	69	85	95	100		45	40	15
MAY 29	14:06	10.5	2620	183	11.5	784	85	6	11	16	27	34	43	57	76	93	100		57	32	11
MAY 29	14:04	10.5	2620	183	13.0	659	83	9	15	23	31	41	52	66	82	98	100		48	37	15
MAY 29	14:03	10.5	2620	183	14.1	773	82	8	13	19	26	36	46	62	76	92	100		54	33	13
MAY 29	14:02	10.5		183	14.4			STREAMBED													
MAY 29	14:37	10.5	2360	274	0.15	350	82	15	24	35	55	68	84	96	100				16	80	24
MAY 29	14:36	10.5	2360	274	3.01	464	86	12	17	31	43	56	72	85	94	98	100		28	55	17
MAY 29	14:34	10.5	2360	274	6.02	524	87	8	15	26	36	48	63	80	91	97	100		37	48	15
MAY 29	14:33	10.5	2360	274	9.03	777	88	5	11	18	28	38	46	58	78	93	100		55	34	11
MAY 29	14:30	10.5	2360	274	12.0	776	82	7	12	19	27	34	45	58	73	90	100		58	33	12
MAY 29	14:28	10.5	2360	274	13.8	1230	87	5	7	12	18	21	27	37	58	88	100		73	20	7
MAY 29	14:26	10.5	2360	274	14.8	4500	84	1	2	4	5	6	8	10	34	85	100		92	6	2
MAY 29	14:25	10.5		274	15.1			STREAMBED													
MAY 29	15:01	10.5	2220	366	0.15	325	81	14	23	29	57	68	80	88	93	97	100		30	57	23
MAY 29	14:59	10.5	2220	366	2.83	426	80	9	17	26	41	56	70	85	94	98	100		30	53	17
MAY 29	14:58	10.5	2220	366	5.67	423	85	13	21	32	46	61	76	90	96	100			25	54	21
MAY 29	14:55	10.5	2220	366	8.50	520	89	10	17	26	38	51	64	78	87	94	100		38	47	17
MAY 29	14:54	10.5	2220	366	11.3	502	87	14	17	26	40	51	64	80	94	99	100		36	47	17
MAY 29	14:52	10.5	2220	366	12.8	805	81	7	13	21	31	42	57	73	87	95	100		43	44	13
MAY 29	14:50	10.5	2220	366	13.9	8480	89	1	1	1	2	3	3	4	8	14	89	100	87	3	1
MAY 29	14:49	10.5		366	14.2			STREAMBED													
MAY 29	15:18	10.5	1830	457	0.15	333	82	19	27	41	60	77	92	98	100				6	55	37
MAY 29	15:16	10.5	1830	457	2.69	380	74	11	18	31	51	67	84	97	100				15	84	16
MAY 29	15:15	10.5	1830	457	5.38	386	81	13	19	31	46	64	78	87	93	97	100		22	59	19
MAY 29	15:13	10.5	1830	457	8.07	389	73	13	21	35	50	65	78	87	95	99	100		22	57	21
MAY 29	15:11	10.5	1830	457	10.8	421	71	13	21	32	47	60	73	86	95	99	100		27	52	21
MAY 29	15:09	10.5	1830	457	12.1	423	82	13	19	31	47	62	78	88	96	99	100		32	59	19
MAY 29	15:08	10.5		457	13.2	541	83	13	20	29	42	54	64	82	89	96	100		36	44	20
				457	13.5			STREAMBED													

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES FOR 1985

FRASER RIVER AT MISSION - STATION NO. 08MH024

BED LOAD PARTICLE-SIZE ANALYSIS FOR 1985

DATE	TIME	PANEL DISCHARGE (m³/s)	SAMPLING VERTICAL (m)	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
MAY 23	10:22	1370	91.4	ARN	1	10	74	100									
MAY 23	10:38	1620	183	ARN	1	4	42	100									
MAY 23	10:57	1650	274	ARN	1	4	35	99	100								
MAY 23	11:15	1600	366	ARN		1	8	82	100								
MAY 23	11:31	1290	457	ARN	NO MATERIAL COLLECTED												
MAY 29	15:57	2070	91.4	ARN	1	6	87	100									
MAY 29	16:09	2620	183	ARN	1	6	48	100									
MAY 29	16:37	2380	274	ARN		2	13	100									
MAY 29	16:52	2220	366	ARN		1	3	54	72	78	78	84	97	100			
MAY 29	17:10	1830	457	ARN	1	2	13	98	100								
JUN 13	12:16	1530	91.4	ARN		3	84	100									
JUN 13	12:37	1870	183	ARN		1	27	98	100								
JUN 13	12:58	1890	274	ARN		1	14	98	100								
JUN 13	13:11	1730	366	ARN			4	83	99	100							
JUN 13	13:23	1500	457	ARN	NO MATERIAL COLLECTED												

FRASER RIVER AT MISSION - STATION NO. 08MH024

BED MATERIAL PARTICLE-SIZE ANALYSIS FOR 1985

DATE	TIME	PANEL DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
MAY 29	17:29	2070	91.4	BMH-54										2	44	100			
MAY 29	17:33	2070	91.4	BMH-54										2	41	100			
MAY 29	17:38	2620	183	BMH-54										2	38	100			
MAY 29	17:38	2620	183	BMH-54										2	40	98	100		
MAY 29	17:41	2380	274	BMH-54										2	11	100			
MAY 29	17:43	2380	274	BMH-54										1	15	88	100		
MAY 29	17:46	2380	274	BMH-54											8	97	98	100	
MAY 29	17:46	2320	366	BMH-54											4	94	100		

FRASER RIVER AT MISSION - STATION NO. 08MH024

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1965	-----CCCCCCC	MANUAL	735	JUN 02	8	DEC 24	543 000	JUN 02	12 800 000		---	---	---
1966	CCCCCCCCCCCC	MANUAL	781	MAY 11	9	JAN 28	503 000	MAY 11	19 300 000		52 800	52 800	---
1967	CCCCCCCCCCCC	MANUAL	629	MAY 11	8	FEB 11	534 000	JUN 05	25 100 000		71 400	62 100	15.0
1968	CCCCCCCCCCCC	MANUAL	738	MAY 25	9	JAN 13	576 000	MAY 25	20 900 000		57 200	60 500	9.2
1969	CCCCCCCCCCCC	MANUAL	537	APR 17	9	JAN 28	287 000	MAY 29	13 900 000		38 200	54 900	12.5
1970	CCCCCCCCCCCC	MANUAL	649	MAY 30	2	DEC 30	520 000	JUN 08	11 500 000		31 500	50 200	14.1
1971	CCCCCCCCCCCC	MANUAL	610	APR 28	7	JAN 06	420 000	MAY 17	17 500 000		48 000	49 900	11.6
1972	CCCCCCCCCCCC	MANUAL	884	MAY 17	3	FEB 20	789 000	JUN 04	30 900 000	*	84 800	54 800	12.7
1973	CCCCCCCCCCCC	MANUAL	593	MAY 19	4	JAN 29	385 000	JUN 29	12 200 000		33 500	52 200	12.6
1974	CCCCCCCCCCCC	MANUAL	784	MAY 01	8	JAN 10	724 000	JUN 19	24 900 000		88 300	53 900	11.3
1975	CCCCCCCCCCCC	MANUAL	693	MAY 15	4	JAN 10	237 000	MAY 15	12 000 000		32 800	51 800	11.3
1976	CCCCCCCCCCCC	MANUAL	858	MAY 06	8	JAN 08	587 000	MAY 14	24 900 000		88 000	53 300	10.3
1977	CCCCCCCCCCCC	MANUAL	789	APR 30	6	JAN 03	378 000	APR 30	14 500 000		39 800	52 200	9.8
1978	CCCCCCCCCCCC	MANUAL	650	JUN 10	6	JAN 27	301 000	JUN 10	12 300 000		33 700	50 800	9.7
1979	CCCCCCCCCCCC	MANUAL	1 240	MAY 06	11	FEB 20	573 000	MAY 06	15 000 000		41 100	50 100	9.2
1980	CCCCCCCCCCCC	MANUAL	1 410	DEC 27 *	9	SEP 09	958 000	DEC 27 *	10 800 000		29 600	48 700	9.2
1981	CCCCCCCCCCCC	MANUAL	886	MAY 26	7	DEC 30	411 000	MAY 30	12 400 000		33 900	47 800	9.0
1982	CCCCCCCCCCCC	MANUAL	784	JUL 20	3	NOV 12	552 000	JUL 20	25 600 000		70 000	49 100	8.7
1983	CCCCCCCCCCCC	MANUAL	330	JUN 03	2	JAN 25	240 000	JUN 03	8 090 000		22 200	47 800	9.0
1984	CCCCCCCCCCCC	MANUAL	863	JUN 14	8	APR 8	383 000	JUN 15	12 300 000		33 700	46 900	8.8
1985	CCCCCCCCCCCC	MANUAL	999	MAY 23	1	OCT 22 *	592 000	JUN 07	15 600 000		42 700	46 700	8.4

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH126

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)		DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND SILT CLAY
JAN 08	13:50		1500	W	---	PWS	35		124		
JAN 12	13:00		-480		---	PWS	41				
JAN 13	13:00		2000		---	PWS	42				
JAN 14	13:00		-3230		---	PWS	35				
JAN 14	14:05		351		---	PWS	82		308		
JAN 14	15:30		5310		---	PWS	104		230		
JAN 14	15:40		5640		---	PWS	32				
JAN 14	20:00		5350		---	PWS	89				
JAN 15	13:00		-2610		---	PWS	75				
JAN 15	20:00		5820		---	PWS	80				
JAN 16	13:00		-2500		---	PWS	34				
JAN 16	20:00		6050		---	PWS	82				
JAN 17	13:00		-1120		---	PWS	27				
JAN 17	20:00		5190		---	PWS	130				
JAN 18	13:00		-32.3		---	PWS	102				
JAN 19	01:00		4330		---	PWS	188		104		
JAN 19	13:00		2040		---	PWS	73				
JAN 20	01:00		5020		---	PWS	113				
JAN 20	13:00		2890		---	PWS	73				
JAN 21	01:00		5080		---	PWS	80				
JAN 21	13:00		3330		---	PWS	56				
JAN 22	01:00		5110		---	PWS	85				
JAN 22	13:00		3890		---	PWS	40				
JAN 23	01:00		5400		---	PWS	56				
JAN 23	13:00		4080		---	PWS	53				
JAN 24	01:00		5010		---	PWS	102		105		
JAN 24	13:00		3350		---	PWS	231				
JAN 25	01:00		5240		---	PWS	239				
JAN 25	10:53		-2470		---	PWS	274				
JAN 29	03:30		1080		---	PWS	188				
JAN 31	14:00		1170		---	PWS	83				
FEB 01	14:00		135		---	PWS	87				
FEB 02	14:00		-138		---	PWS	87				
FEB 03	14:00		235		---	PWS	150				
FEB 07	14:00		4980		---	PWS	55				
FEB 08	14:00		5880		---	PWS	185		113		
FEB 11	14:00		2450		---	PWS	124				
FEB 12	14:00		3510		---	PWS	115				
FEB 13	14:00		3080		---	PWS	100				
FEB 15	13:00		288		---	PWS	128				
FEB 21	06:00		-4140		---	PWS	100				
FEB 21	15:30		2890		---	PWS	80				
FEB 22	04:00		3150		---	PWS	64				
FEB 22	10:00		-1940		---	PWS	51				
FEB 22	15:30		4230		---	PWS	70				
FEB 23	04:00		2950		---	PWS	84		118		
FEB 23	10:00		-2250		---	PWS	95				
FEB 23	15:30		4700		---	PWS	104				
FEB 24	04:00		3140		---	PWS	109				
FEB 24	10:00		-2300		---	PWS	276	C			
FEB 24	15:30		5850		---	PWS	247	C			
FEB 25	04:00		3540		---	PWS	125				
FEB 25	10:00		-2320		---	PWS	101				
FEB 25	15:30		5280		---	PWS	104				
FEB 26	04:00		2720		---	PWS	140				
FEB 26	10:00		-1520		---	PWS	58		102		
FEB 26	15:30		5230		---	PWS	207				
FEB 27	04:00		1990		---	PWS	185				
FEB 27	10:00		-774		---	PWS	173				
FEB 28	04:00		-403		---	PWS	517				
FEB 28	10:00		728		---	PWS	522				
FEB 28	15:30		4210		---	PWS	201				
MAR 01	04:00		-1850		---	PWS	105				
MAR 01	10:00		2000		---	PWS	282				
MAR 04	09:51		2130		---	PWS	108				
MAR 04	12:17		2890		---	PWS	133		134		
MAR 05	11:00		4800		---	PWS	71				
MAR 05	13:00		2850		---	PWS	138				
MAR 06	11:00		5280		---	PWS	85				
MAR 06	13:00		4010		---	PWS	113		95		
MAR 07	11:00		3870		---	PWS	59				
MAR 07	13:00		5050		---	PWS	85				
MAR 08	11:00		3430		---	PWS	105				
MAR 08	13:00		5300		---	PWS	57				
MAR 09	11:00		3320		---	PWS	92				
MAR 09	13:00		5760		---	PWS	57				
MAR 10	11:00		2580		---	PWS	66				
MAR 10	13:00		6120		---	PWS	61				
MAR 11	11:00		518		---	PWS	182				
MAR 11	13:00		5380		---	PWS	74		101		
MAR 12	11:00		51.5		---	PWS	31				
MAR 12	13:00		4770		---	PWS	43				
MAR 13	11:00		183		---	PWS	24				
MAR 13	13:00		5120		---	PWS	80				
MAR 14	11:00		374		---	PWS	57				
MAR 21	11:25		5020		---	PWS	88				
MAR 22	02:00		3800		---	PWS	85				
MAR 22	07:30		-4770		---	PWS	84				
MAR 22	13:41		5070		---	PWS	81				
MAR 23	02:00		4450		---	PWS	61		97		
MAR 23	07:30		4180		---	PWS	70				
MAR 24	02:00		5170		---	PWS	138				
MAR 24	07:30		-3800		---	PWS	71				
MAR 25	02:00		4000		---	PWS	132				
MAR 25	07:30		-2630		---	PWS	81				
MAR 26	02:00		2650		---	PWS	47				
MAR 26	07:30		-2370		---	PWS	58				
MAR 27	02:00		1630		---	PWS	288	C			
MAR 27	07:30		-285		---	PWS	99				

NOTE : SINGLE VERTICAL IS UNDETERMINED FOR 1985

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT

CONTINUED

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAR 28	02:00		-291	---	PWS	88	136														
MAR 28	07:30		938	---	PWS	48															
MAR 28	09:48		897	---	PWS	51															
MAR 28	10:48		1330	---	PWS	85															
MAR 28	18:00		4440	---	PWS	175															
MAR 29	02:00		-3300	---	PWS	111															
MAR 29	18:00		4570	---	PWS	113															
MAR 30	02:00		-3886	---	PWS	143															
MAR 30	18:00		4780	---	PWS	120															
MAR 31	02:00		-4400	---	PWS	82															
MAR 31	18:00		4720	---	PWS	87	88														
APR 01	02:00		-2040	---	PWS	129															
APR 01	18:00		4150	---	PWS	85															
APR 02	02:00		-1250	---	PWS	110															
APR 02	18:00		3850	---	PWS	80															
APR 03	02:00		540	---	PWS	72															
APR 03	18:00		1930	---	PWS	71															
APR 04	02:00		2920	---	PWS	219															
APR 04	18:00		4580	---	PWS	195															
APR 05	06:00		-4340	---	PWS	89															
APR 06	01:00		5020	---	PWS	81	103														
APR 06	06:00		-4150	---	PWS	100															
APR 07	01:00		5150	---	PWS	139															
APR 07	06:00		-4170	---	PWS	134	84														
APR 08	01:00		4500	---	PWS	381															
APR 08	06:00		-2370	---	PWS	184															
APR 09	01:00		2570	---	PWS	118															
APR 09	06:00		1170	---	PWS	183															
APR 10	01:00		571	---	PWS	182															
APR 10	06:00		2080	---	PWS	183															
APR 10	17:00		5370	---	PWS	285															
APR 11	01:00		-873	---	PWS	326															
APR 11	17:00		5550	---	PWS	207															
APR 12	01:00		-308	---	PWS	153	81														
APR 12	17:00		4320	---	PWS	205															
APR 13	01:00		861	---	PWS	187															
APR 13	17:00		3060	---	PWS	224															
APR 14	01:00		1920	---	PWS	131															
APR 14	17:00		2530	---	PWS	360															
APR 15	01:00		4420	---	PWS	189															
APR 15	10:13		4190	---	PWS	329															
APR 15	21:30		3870	---	PWS	370															
APR 16	21:30		3380	---	PWS	568	99	22	31	46	62	72	78	88	88	100					
APR 17	04:30		3300	---	PWS	408	94	25	29	40	53	61	85	83	98	100			22	47	31
APR 17	21:30		4070	---	PWS	884	106	38	44	58	73	81	87	96	100				31	40	29
APR 18	04:30		567	---	PWS	467	93	54	61	72	82	89	93	96	98	99	100		13	43	44
APR 18	21:30		3800	---	PWS	629	105	25	35	51	70	78	88	97	100				7	32	61
APR 19	04:30		1470	---	PWS	489	103	17	26	38	51	58	70	97	100				14	51	35
APR 19	21:30		3880	---	PWS	462	103	15	23	37	54	63	73	89	98	100			30	44	26
APR 20	21:30		3010	---	PWS	299	88												27	50	23
APR 21	04:30		3120	---	PWS	340															
APR 21	21:30		1160	---	PWS	245	90														
APR 22	04:30		3740	---	PWS	494															
APR 23	04:30		2190	---	PWS	254															
APR 23	21:30		-1270	---	PWS	208															
APR 24	04:30		4000	---	PWS	285															
APR 24	21:30		-1850	---	PWS	227															
APR 25	04:30		4300	---	PWS	298															
APR 25	21:30		-1880	---	PWS	387															
APR 26	04:30		3740	---	PWS	297															
APR 26	21:30		-154	---	PWS	210															
APR 27	21:30		2870	---	PWS	323	85														
MAY 02	22:00		5480	---	PWS	287	100														
MAY 03	13:21		5860	---	PWS	277															
MAY 04	05:00		-2010	---	PWS	287															
MAY 04	13:00		6350	---	PWS	241															
MAY 05	05:00		-114	---	PWS	264															
MAY 05	13:00		6720	---	PWS	544															
MAY 06	05:00		1420	---	PWS	317															
MAY 06	13:00		7050	---	PWS	277															
MAY 07	05:00		4320	---	PWS	378															
MAY 08	05:00		4940	---	PWS	472	96	8	11	19	30	40	57	87	98	100					
MAY 08	13:00		7710	---	PWS	381	102	4	11	24	43	58	73	91	99	100			43	46	11
MAY 09	05:00		5520	---	PWS	348													27	62	11
MAY 09	13:00		7010	---	PWS	483	108														
MAY 09	17:00		6890	---	PWS	832															
MAY 10	00:01		-1230	---	PWS	583															
MAY 10	17:00		6460	---	PWS	917															
MAY 11	00:01		-1740	---	PWS	293															
MAY 11	17:00		6460	---	PWS	342															
MAY 12	00:01		-1170	---	PWS	233															
MAY 12	17:00		5980	---	PWS	339															
MAY 13	17:00		5320	---	PWS	887															
MAY 14	00:01		2410	---	PWS	482															
MAY 14	17:00		4540	---	PWS	298	100														
MAY 15	00:01		3980	---	PWS	287															
MAY 15	09:27		5240	---	PWS	427															
MAY 15	12:00		5610	---	PWS	535															
MAY 16	04:30		1180	---	PWS	780															
MAY 16	12:00		6130	---	PWS	1230	103	1	3	6	10	19	37	73	98	100					
MAY 17	04:30		1810	---	PWS	418													83	34	3
MAY 17	12:00		6790	---	PWS	546															
MAY 18	04:30		2540	---	PWS	482	88														
MAY 19	04:30		3510	---	PWS	939															
MAY 19	12:00		8110	---	PWS	810															
MAY 20	04:30		4610	---	PWS	1840															
MAY 20	12:00		8760	---	PWS	1190															
MAY 21	04:30		5910	---	PWS	848															
MAY 21	12:00		9180	---	PWS	1240															
MAY 22	04:30		7020	---	PWS	1130	108	5	9	15	31	50	73	91	99	100					
MAY 27	09:31		11100	---	PWS	1040													27	64	9
MAY 27	11:38		10700	---	PWS	513															
MAY 27	18:00		12200	---	PWS	1880	77	5	8	13	19	29	48	83	98	100			51	41	8

NOTE : SINGLE VERTICAL IS UNDETERMINED FOR 1985

CONTINUED

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.063	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAY 28	00:30		7750	---	PWS	1480															
MAY 28	00:30		8460	---	PWS	2300	80	8	10	14	20	25	51	91	98	100			48	41	10
MAY 28	18:00		12100	---	PWS	1870	80	7	10	14	21	32	52	87	98	100			48	42	10
MAY 30	11:33		13800	122 M	P63	884	82	5	7	12	18	26	36	57	84	98	100		84	28	7
MAY 30	11:42		12500	213 M	P63	488	81	7	13	22	32	43	58	75	86	96	100		44	43	13
MAY 30	11:50		12500	---	PWS	1690	88														
MAY 30	11:53		13400	305 M	P63	347	74	9	15	24	36	48	63	78	89	96	100		37	48	15
MAY 30	12:03		12400	396 M	P63	281	77	10	18	33	48	61	77	86	100				23	58	19
MAY 30	12:20		12300	488 M	P63	175	67	1	4	21	48	66	82	93	98	99	100		18	78	4
MAY 31	02:30		8430	---	PWS	1810	5	4	5	9	15	24	43	83	98	100			57	38	5
MAY 31	10:30		12900	---	PWS	1500	4	2	4	7	13	23	43	93	99	100			57	39	4
JUN 01	10:30		12900	---	PWS	1120															
JUN 02	02:30		9050	---	PWS	892															
JUN 02	10:30		12600	---	PWS	770															
JUN 03	02:30		9850	---	PWS	1280															
JUN 04	02:30		10700	---	PWS	736															
JUN 04	10:30		12500	---	PWS	740															
JUN 05	02:30		11000	---	PWS	842															
JUN 05	10:30		12200	---	PWS	1070															
JUN 06	02:30		10700	---	PWS	998	76														
JUN 06	10:30		11800	---	PWS	1810	88														
JUN 06	21:30		7340	---	PWS	816															
JUN 07	15:30		13400	---	PWS	881															
JUN 07	21:30		6700	---	PWS	788															
JUN 08	15:30		13100	---	PWS	1430															
JUN 08	21:30		8920	---	PWS	1820															
JUN 09	15:30		11800	---	PWS	2050															
JUN 10	15:30		10800	---	PWS	1510	103														
JUN 10	21:30		9840	---	PWS	1130 C	76														
JUN 11	15:30		9680	---	PWS	938 C															
JUN 11	21:30		8470	---	PWS	1530	80	7	8	10	14	22	40	83	98	100			60	32	8
JUN 12	15:30		8500	---	PWS	1490 C															
JUN 12	21:30		9200	---	PWS	1540 C															
JUN 13	15:30		7950	---	PWS	855 C															
JUN 13	21:30		8780	---	PWS	952 C															
JUN 14	10:35		10000	---	PWS	1190 C															
JUN 14	14:24		8850	---	PWS	800 C															
JUN 15	12:00		8890	---	PWS	792 C															
JUN 16	03:00		7140	---	PWS	581 C															
JUN 16	12:00		8810	---	PWS	1720 C															
JUN 17	12:00		10000	---	PWS	888 C															
JUN 18	03:00		7970	---	PWS	1450	78	8	9	10	13	19	34	78	98	100			65	28	8
JUN 18	12:00		10400	---	PWS	1440 C															
JUN 19	12:00		10800	---	PWS	577	72														

NOTE : SINGLE VERTICAL IS UNDETERMINED FOR 1985

CONCENTRATION SYMBOL(S) C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S) M - A SEDIMENT MEASUREMENT VERTICAL

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1985	-----CCCCCCC	MANUAL	380	OCT 28	10	DEC 15	293 000	JUN 17	11 000 000	---	---	---
1986	CCCCCCCCCCC	MANUAL	785	MAY 11	10	JAN 24	518 000	MAY 13	17 800 000	48 700	48 700	---
1987	CCCCCCCCCCC	MANUAL	856	JUN 08	8	FEB 17	875 000	JUN 08 *	35 300 000 *	80 300	58 000	17.5
1988	CCCCCCCCCCC	MANUAL	587	MAY 25	13	JAN 11	452 000	MAY 26	20 800 000	55 200	58 100	10.4
1989	CCCCCCCCCCC	MANUAL	374	JUN 13	10	DEC 18	320 000	JUN 13	13 000 000	35 500	52 400	13.5
1970	CCCCCCCCCCC	MANUAL	590	JUN 08	8	MAR 13 *	485 000	JUN 09	10 800 000	38 000	47 700	15.1
1971	CCCCCCCCCCC	MANUAL	414	APR 30	8	DEC 15	258 000	MAY 17	14 700 000	40 100	46 800	12.8
1972	CCCCCCCCCCC	MANUAL	703	MAY 18	8	DEC 14	550 000	MAY 18	25 200 000	65 000	48 700	12.1
1973	CCCCCCCCCCC	MANUAL	451	MAY 22	11	JAN 13	---	---	---	---	---	---
1974	CCCCCCCCCCC	MANUAL	500	MAY 02	14	JAN 02	---	---	---	---	---	---
1975	CCCCCCCCCCC	DUAL	326	MAY 18	13	DEC 18	---	---	---	---	---	---
1976	CCCCCCCCCCC	DUAL	571	MAY 11	10	FEB 25	---	---	---	---	---	---
1977	CCCCCCCCCCC	DUAL	477	MAY 01	14	DEC 23	---	---	---	---	---	---
1984	---PPPPPPPPP	DUAL	774	AUG 14	20	MAY 14	---	---	---	---	---	---
1985	PPPPPP------	DUAL	3 300	MAY 28 *	27	JAN 17	---	---	---	---	---	---

DUAL - MANUAL AND AUTOMATIC SAMPLING MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 49 12 16 N LONG 121 46 35 W
DRAINAGE AREA: 218 000 km²
TYPE OF FLOW: REGULATED SINCE 1982
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 15 000 000 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	700 B	12	726	813	11	773	823	33 S	2 350	1
2	720 B	12	745	823	10	711	803	33	2 290	2
3	750 B	12	778	824	10	712	835	29	2 090	3
4	770 B	12	798	812	9 S	631	834	26	1 870	4
5	800 B	12	829	785	9	610	825	23	1 640	5
6	835 B	12	865	756	9	588	822	21 S	1 490	6
7	835 B	12	866	769	10	664	818	20	1 420	7
8	840 B	12 S	871	791	11	752	822	21	1 490	8
9	855 B	11	822	779	13	875	817	24 S	1 690	9
10	870 B	11	827	735 A	18	853	819	27	1 910	10
11	878 B	10	759	770 E	16 S	1 080	814	31	2 180	11
12	878 B	10 S	759	780 E	15	1 020	811	34	2 380	12
13	870 B	10	752	792 E	14	958	803	35 S	2 430	13
14	870 B	10	752	850 E	13	955	798	35	2 410	14
15	868 B	10	750	808 A	12	838	797	35	2 410	15
16	848	10	733	738	13	829	808	34	2 370	16
17	849	10	734	691	14	836	820	34	2 410	17
18	908	11	863	714	15	925	821	34	2 410	18
19	909	11	864	730	16	1 010	810	34	2 380	19
20	901	11	856	721	17 S	1 080	837	34 S	2 480	20
21	882	12 S	914	714	16 S	987	841	35	2 820	21
22	884	12 S	917	785	15	878	820	42	2 880	22
23	899	13	1 010	772	18	1 200	833	48	3 830	23
24	890	13	1 000	854	31	2 290	868	57	4 270	24
25	868	12	921	818	30	2 120	880	65	4 940	25
26	858	12	880	783	23	1 580	868	71	5 450	26
27	854	12	885	786	21 S	1 430	875	73 S	5 520	27
28	803	12	833	816	23	1 820	863	73	5 440	28
29	808	11	766				864	72	5 370	28
30	832	11	791				871	71	5 340	30
31	826	11	785				907	71	5 580	31
TOTAL	26 165		25 583	21 789		28 965	26 848		93 100	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	987	72	6 020	2 210	80 S	15 300	8 130	363 S	285 000	1
2	1 130	88 S	8 590	2 180	74 S	14 000	8 120	219 S	173 000	2
3	1 210	115 S	12 000	2 280	68 S	13 300	8 130	140 S	110 000	3
4	1 110	100	9 590	2 350	67 S	13 800	8 220	112	89 200	4
5	1 080	95	8 850	2 820	113 S	25 800	8 180	105 S	83 100	5
6	1 090	88	8 140	3 080	254 S	67 800	8 130	128 S	102 000	6
7	1 130	107	10 400	3 520	432 S	131 000	8 420	295 S	240 000	7
8	1 230	122	13 000	3 660	443 S	140 000	8 510	280 S	230 000	8
9	1 310	143	16 200	3 590	331 S	103 000	8 070	255 S	200 000	9
10	1 420	166	20 400	3 550	240 S	73 800	8 800	249 S	185 000	10
11	1 570	209 S	28 400	3 570	186 S	57 400	8 170	224 S	158 000	11
12	1 850	325	51 800	3 580	174 S	53 800	7 780	200 S	135 000	12
13	1 940	388	80 200	3 570	163 S	50 300	7 270	184 S	116 000	13
14	2 190	398	75 300	3 510	132 S	40 000	8 900	173 S	103 000	14
15	2 480	563	121 000	3 480	118 S	35 500	8 680	166 S	98 700	15
16	2 790	801	193 000	3 520	143 S	44 700	8 940	177 S	108 000	16
17	3 010	737 S	192 000	4 040	227 S	79 200	7 080	182 S	117 000	17
18	3 130	595 S	161 000	4 510	312 S	122 000	7 280	181 S	114 000	18
19	3 180	486 S	136 000	4 840	362 S	155 000	7 280	178 S	110 000	19
20	3 100	398 S	107 000	5 540	493 S	235 000	8 930	188 S	101 000	20
21	3 030	308 S	80 800	8 320	585 S	383 000	8 820	177 S	101 000	21
22	2 880	255 S	63 700	7 150	780 S	483 000	8 680	168 S	109 000	22
23	2 770	213 S	51 000	7 830	767 S	519 000	8 870	178 S	108 000	23
24	2 640	177 S	40 400	8 420	699 S	509 000	8 850	173 S	102 000	24
25	2 450	148 S	31 800	8 850	664 S	508 000	8 580	154 S	87 800	25
26	2 360	140 S	28 500	9 380	654	530 000	9 210	145 S	77 800	26
27	2 510	184 S	41 500	9 930	646 S	554 000	9 870	143 S	72 500	27
28	2 470	118 S	25 200	10 300	635 S	565 000	9 830	134 S	65 200	28
29	2 340	91 S	18 400	10 200	617 S	544 000	9 440	125 S	56 800	29
30	2 290	85 S	16 800	9 730	557 S	468 000	9 340	125 S	57 700	30
31				9 280	480 S	384 000				31
TOTAL	82 747		1 637 800	186 760		6 897 800	226 060		3 694 800	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	5 330	142 S	65 400	3 420	68 S	20 400	2 140	38 S	5 850	1
2	5 390	136 S	63 300	3 390	67	19 800	2 080	38	5 500	2
3	5 670	162 S	79 400	3 380	68 S	19 700	2 050	38 S	5 380	3
4	5 840	181 S	92 800	3 370	72	21 000	2 030	38	5 310	4
5	5 830	180	80 800	3 410	76 S	22 400	2 040	39	5 870	5
6	5 810	144	89 800							
7	5 500	131	62 300	3 430	78	23 400	2 120	51 S	9 340	6
8	5 500	121 S	57 500	3 470	80 S	24 000	2 070	56 S	10 400	7
9	5 480	115	54 400	3 500	81	24 500	2 080	54	9 780	8
10	5 320	107 S	49 200	3 420	80	23 800	2 170	47 S	8 810	9
				3 340	78 S	21 900	2 200	38	7 410	10
11	5 110	109 S	48 100	3 230	87	18 700				
12	5 010	118 S	51 800	3 150	87 S	18 800	2 100	33	5 980	11
13	4 990	127 S	54 800	3 230	80	14 000	1 870	26 S	4 770	12
14	4 880	111 S	47 800	3 120	47 S	12 700	1 880	27	4 380	13
15	4 810	90 S	38 200	3 050	45	11 900	1 820	28 S	4 550	14
							1 780	32	4 920	15
16	4 780	99 S	40 700	2 980	45 S	11 500	1 780	38	5 880	16
17	4 580	107 S	42 200	2 890	50	12 500	2 000	65 S	11 200	17
18	4 330	95 S	35 500	2 840	57 S	14 000	2 120	68 S	12 500	18
19	4 200	78	27 800	2 780	80	14 500	2 380	83	19 100	19
20	4 110	84 S	22 700	2 740	56 S	13 300	2 580	108	24 100	20
21	4 030	68	23 000	2 680	49 S	11 300	2 480	88	21 000	21
22	3 980	85 S	28 100	2 580	50	11 100	2 270	81 S	17 800	22
23	3 940	80	30 800	2 580	53 S	11 700	2 230	80	17 300	23
24	3 850	72 S	24 800	2 520	48	10 700	2 580	105 S	23 200	24
25	3 980	56	19 300	2 450	45	9 530	2 580	98	21 700	25
26	3 980	53	18 300	2 370	42 S	8 800	2 330	74	14 800	26
27	3 850	55 S	18 800	2 310	38	7 780	2 200	59 S	11 200	27
28	3 880	59	19 800	2 280	37	7 280	2 120	52	9 520	28
29	3 780	64	20 700	2 280	36 S	7 080	2 070	43 S	8 760	29
30	3 830	69 S	21 800	2 250	36	7 000	2 030	45	8 070	30
31	3 820	74 S	22 500	2 190	36	6 810				31
TOTAL	145 080		1 332 000	80 580		458 000	64 240		329 290	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	1 850	44	7 410	2 230	82	11 900	702 B	A	485	1
2	1 870	42 S	6 780	2 610	81 S	11 100	700 B	A	484	2
3	1 830	41	6 480	2 370	32	8 850	710 B	A	491	3
4	1 780	38 S	6 000	2 240	28	5 810	728 B	A	503	4
5	1 740	37	5 550	2 070	28 S	5 010	742 B	A	513	5
6	1 710	35	5 170	1 980	27 S	4 820	770 B	A	532	6
7	1 680	34	4 840	1 930	27	4 800	782 B	A	547	7
8	1 630	33 S	4 850	1 880	27 S	4 340	810 B	A	560	8
9	1 580	33	4 530	1 810	26	4 070	850 B	A	588	9
10	1 570	34	4 810	1 780	26	3 780	888 B	A	612	10
11	1 580	34	4 870	1 680	23 S	3 300	906 B	A	626	11
12	1 580	35	4 720	1 490	22	2 830	928 B	A	639	12
13	1 550	45	6 030	1 370	20	2 370	937 B	A	646	13
14	1 790	71 S	11 000	1 270	14 S	1 880	930 B	A	723	14
15	2 080	100	18 100	1 250	15	1 830	928 B	A	722	15
16	2 340	112	22 800	1 300	12	1 350	921 B	10	798	16
17	2 620	146	31 800	1 380	11	1 310	934 B	13	868	17
18	2 730	200 S	47 200	1 380	8 S	1 070	940 B	13 S	1 080	18
19	2 880	218	55 800	1 300	8	1 010	945 B	12	980	19
20	2 830	135	34 200	1 170 B	8	805	945 B	11	884	20
21	2 720	108	25 400	1 080 B	8	783	945 B	8	738	21
22	2 800	83 S	20 900	990 B	8	884	937	7	587	22
23	2 800	82	19 400	922 B	8	837	938	8	686	23
24	2 670	73	16 200	876 B	8	805	928	8 S	681	24
25	2 850	84 S	14 700	838 B	8	579	927	8	681	25
26	2 630	57	13 500	800 B	8	553	926 A	8	680	26
27	2 700	52	12 100	778 B	8	538	880 E	8 S	681	27
28	2 580	46 S	10 100	760 B	8	518	877 E	8	655	28
29	2 280	45	8 800	725 B	8	501	870 E	8	651	29
30	2 170	45	8 440	706 B	8	488	862 E	8	647	30
31	2 080	45	8 080				848 E	8 S	388	31
TOTAL	88 880		467 780	42 787		84 988	28 947		18 784	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE VERTICAL SAMPLING (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 08	13:06	1.0	840	W	206		P63	12	128														
JAN 08	15:42	1.0	840	W	206		P63	12	132														
JAN 12	15:39	1.0	878	W	206		P63	10															
JAN 21	15:20	2.0	880		206		P63	24	124														
JAN 28	15:37	1.0	801		206		P63	107 A															
FEB 04	15:37	1.0	810		206		P63	8															
FEB 11	15:32	3.0	770	Y	206		P63	16	124														
FEB 20	12:01	2.5	215		91.4	M	P61	17	127														
FEB 20	12:08	2.5	210		183	M	P61	13	121														
FEB 20	12:09	2.5	141		274	M	P61	18	118														
FEB 20	12:14	2.5	28.4		366	M	DIP	14	118														
FEB 20	12:24	2.5	145		457	M	P61	20	124														
FEB 20	12:32	2.5	742		206		P61	21	121														
FEB 20	13:04	2.5	741		206		P61	18	85														
FEB 21	13:40	3.0	718		206		P63	11															
FEB 27	14:03	3.0	788		206		P63	15	117														
MAR 01	14:14	3.0	835		206		P63	35	122														
MAR 06	15:29	3.0	822		206		P63	19															
MAR 09	13:18	4.0	818		206		P63	24	128														
MAR 13	14:15	3.0	802		206		P63	35	120														
MAR 20	16:07	3.0	844		206		P63	34	116														
MAR 27	13:21	4.0	873		206		P63	76															
APR 02	11:22	4.0	1120		206		P63	84	102														
APR 03	12:35	5.0	1210		206		P63	120	87														
APR 11	11:00	6.0	1540		206		P63	208	110	21	32	49	67	76	81	88	93	98	100	19	49	32
APR 11	11:05	6.0	1540		206		P63	184	108	16	24	40	60	74	81	89	97	100		18	57	24
APR 17	15:09	5.0	3020		206		P63	806	91	12	20	31	47	65	79	85	93	98	100	21	59	20
APR 18	16:06	5.0	3130		206		P63	845	107	13	20	31	47	64	77	85	93	98	100	23	57	20
APR 19	11:17	5.0	954		91.4	M	P61	484	108	21	30	44	61	81	93	98	100			7	63	30
APR 19	11:23	5.0	829		183	M	P61	535	110	22	28	41	58	73	85	92	99	100		15	57	28
APR 19	11:28	5.0	606		274	M	P61	525	105	16	24	36	53	69	81	89	97	100		19	57	24
APR 19	11:30	5.0	301		366	M	P61	538	111	10	18	33	51	68	78	85	95	100		22	60	18
APR 19	11:32	5.0	3200		366	X	DIP	435	108	17	23	38	64	86	94	97	100			6	71	23
APR 19	11:35	5.0	870		457	M	P61	448	105	12	21	39	57	76	89	98	100			11	68	21
APR 19	11:42	5.0	3200		206		P61	568	108	11	19	33	50	64	74	82	88	92	100	28	55	19
APR 19	12:13	5.0	3200		206		P63	559	102	13	18	30	46	65	78	84	93	98	100	22	60	18
APR 19	15:34	5.0	3180		206		P63	585	104	12	19	31	47	64	76	82	91	95	100	25	56	19
APR 20	12:18	5.0	3080		206		P63	448	93	13	21	33	48	63	75	81	88	93	100	25	54	21
APR 21	15:13	6.0	3020		206		P63	329	105	13	21	34	50	66	77	85	90	94	100	23	56	21
APR 22	14:46	6.0	2860		206		P63	281	100	11	16	29	48	66	78	85	92	97	100	22	62	16
APR 23	15:07	6.0	2760		206		P63	225	107														
APR 24	15:05	6.0	2820		206		P63	190															
APR 25	14:14	6.0	2420		206		P63	158															
APR 26	15:11	6.0	2340		206		P63	143															
APR 27	14:28	6.0	2880		206		P63	207	85	12	17	31	51	63	73	82	89	94	100	27	56	17
APR 28	15:40	7.0	2420		206		P63	113															
APR 29	16:34	7.0	2320		206		P63	86															
APR 30	11:17	7.0	2290		206		P63	90	108														
MAY 01	08:24	7.0	2220		206		P63	86															
MAY 01	09:40	7.0	801		91.4	M	P61	95	106														
MAY 01	09:44	7.0	582		183	M	P61	78	[illegible]														
MAY 01	09:47	7.0	382		274	M	P61	82	99														
MAY 01	09:49	7.0	170		366	M	P61	82	98														
MAY 01	09:52	7.0	473		457	M	P61	87	97														
MAY 01	10:23	7.0	2210		206		P61	82	99														
MAY 01	10:29	7.0	2210		206		P61	84															
MAY 02	08:19	7.0	2200		206		P63	74															
MAY 03	08:18	7.0	2250		206		P63	74															
MAY 04	09:13	7.0	2320		206		P63	88	106														
MAY 05	08:11	7.0	2560		206		P63	106															
MAY 06	08:07	8.0	3020		206		P63	259	100	9	14	26	38	49	62	74	85	97	100	38	48	14
MAY 07	08:30	8.0	3490		206		P63	479	88	9	15	23	36	51	66	79	90	97	100	34	51	15
MAY 08	08:25	8.0	3680		206		P63	556	97	10	16	25	38	53	70	82	91	97	100	30	54	16
MAY 09	07:35	7.0	3610		206		P63	431	93	10	17	26	38	57	66	76	85	92	100	34	49	17
MAY 10	08:42	8.0	3550		206		P63	321	85	10	15	26	38	49	61	72	83	91	100	39	46	15
MAY 11	10:14	7.0	3580		206		P63	243															
MAY 12	09:25	8.0	3580		206		P63	236															
MAY 13	08:32	7.0	3580		206		P63	228															
MAY 14	08:19	8.0	3520		206		P63	185															
MAY 15	08:24	9.0	3490		206		P63	175	89	11	15	29	42	53	62	70	84	94	100	38	47	15
MAY 15	12:14	10.5	3460		206		P63	162	98	12	16	30	45	58	68	78	91	100		31	53	16
MAY 16	08:20	10.0	3560		206		P63	186															
MAY 17	08:14	10.0	3980		206		P63	294	100														
MAY 18	06:34	10.0	4480		206		P63	514	82	8	9	14	24	34	48	68	84	98	100	54	37	9
MAY 19	07:33	10.0	4860		206		P63	422	83	7	12	18	27	40	56	72	88	98	100	44	44	12
MAY 20	07:18	10.0	5420		206		P63	647	85	5	9	15	27	42	58	75	88	98	100	34	57	9
MAY 21	08:28	10.0	6190		206		P63	985	95	6	10	14	20	30	43	64	78	88	100	57	33	10
MAY 21	15:26	11.5	6490		206		P63	942	94	4	8	14	24	36	52	69	83	93	100	48	46	6
MAY 21	15:48	11.5	1890		91.4	M	P63	531	87	8	11	21	36	54	76	89	99	100		26	64	11
MAY 21	15:54	11.5	1440		183	M	P63	712	91	5	12	21	34	50	67	83	94	99	100	33	55	12
MAY 21	15:57	11.5	1040		274	M	P63	883	100	5	8	17	27	40	58	74	84	94	100	44	48	8
MAY 21	17:00	11.5	629		366	M	P63	655	95	9	12	22	37	55	74	89	98	100		26	62	12
MAY 21	17:04	11.5	1410		457	M	P63	619	88	7	13	22	34	47	61	78	90	98	100	39	48	13
MAY 21	17:17	11.5	8520		206		P63	979	95	6	8	14	24	35	51	68	81	90	100	48	43	8
MAY 22	07:31	10.0	7020		206		P63	1080	95	6	10	16	25	35	51	70	83	93	100	48	41	10
MAY 23	08:27	11.0	7750		206		P63	1100	86	7	9	15	23	33	47	65	78	88	100	53	38	9
MAY 24	07:36	11.0	8330		206		P63	989	83	5	8	13	22	32	45	62	77	88	100	55	37	8
MAY 25	08:27	11.0	8780		206		P63	894	85	6	8	13	22	30	43	61	80	94	100	57	35	8
MAY 26	06:23	11.5	9300		206		P63	286 A	83														
MAY 27	07:49	10.5	9840		206		P63	820	82	8	10	16	23	34	49	74	88	97	100	51	38	10
MAY 28	08:33	10.5	10300		206		P63	742	80	7	10	17	27	40	57	77	85	100		43	47	10
MAY 28	09:10	10.5	10300		206		P63	767	84	6	11	19	30	40	53	75	89	97	100	47	42	11
MAY 28	09:36	10.5	2810		91.4	M	P63	698	77	8	13	21	31	41	55	76	87	94	100	46	42	13
MAY 28	09:40	10.5	1900		183	M	P63	578	81	8	14	23	36	50	68	85	95	100		32	54	14
MAY 28	09:43	10.5	1640		274	M	P63	787	83	7	10	17	26	37	51	69	83	93	100	49	41	10
MAY 28	09:48	10.5	1080		366	M	P63	592	85	11	16	26	37	50	66	83	94	99	100	34	50	16
MAY 28	09:50	10.5	2400		457	M	P63	523	88	11	18	28	42	56	72	86	93	97	100	28	54	18
MAY 28	10:06	10.5	10300		206		P63	727	80	6	10	16	28	39	54	74	88	96	100	46	44	10
MAY 29	08:26	10.0	10300		206		P63	769	85	9	13	19	29	40	54	75	88	97	100	46	41	13
MAY 30	08:22	10.0	9820		206		P63	640	81	7	9	16	26	35	48	65	82	95	100	52	39	9
MAY 31	08:45	10.0	9270		206		P63	566	77	7	11	17	25	34	44	64	76	88	100	56	33	11
JUN 01	08:16	11.0	9150		206		P63	480	76														
JUN 02	09:35	10.0	9150		206		P63	235	89	9	15	28	41	54	69	88	98	100		31	54	15

NOTE : SINGLE VERTICAL LOCATED AT 206 METRES FOR 1985

DISCHARGE SYMBOL(S): W - DAILY MEAN, ICE CONDITIONS Y - DAILY MEAN, ESTIMATED
CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL X - NOT AT REGULAR SINGLE SAMPLE VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE	SINGLE SAMPLING VERTICAL		TYPE OF SAMPLER	INSTANT. CONCENT.		DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										PERCENT		
										.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND	SILT	CLAY
		(C)	(m³/s)	(m)			(mg/L)		(mg/L)														
JUN 03	07:28	11.0	9140	205		P63	174																
JUN 04	08:33	12.0	9230	205		P63	374	A	73	5	13	19	26	33	45	63	81	95	100	55	32	13
JUN 05	08:22	11.0	9170	205		P63	145																
JUN 06	07:35	11.0	9100	205		P63	162																
JUN 07	09:30	11.0	9370	205		P63	470																
JUN 08	09:41	11.0	9550	205		P63	434		84	5	11	17	24	30	38	55	75	93	100	62	27	11
JUN 09	08:42	11.0	9130	205		P63	432		81	5	10	16	24	31	41	56	76	95	100	59	31	10
JUN 10	08:12	11.0	8980	205		P63	432		80	4	8	15	23	30	40	55	74	90	100	60	32	8
JUN 10	10:22	12.5	8630	205		P63	424		73	3	7	13	21	28	36	47	67	85	100	64	29	7
JUN 10	12:22	12.5	2320	91.4	M	P63	358		78	5	8	15	25	35	45	59	84	98	100	55	37	8
JUN 10	12:26	12.5	1910	183	M	P63	288		78	10	17	26	37	47	59	71	81	93	100	41	42	17
JUN 10	12:29	12.5	1480	274	M	P63	270		75	12	19	28	38	49	59	71	84	95	100	41	40	19
JUN 10	12:32	12.5	913	366	M	P63	300		81	11	16	22	32	41	51	69	81	93	100	49	35	16
JUN 10	12:35	12.5	1730	457	M	P63	247		79	10	18	26	38	49	61	78	91	98	100	39	43	18
JUN 10	13:37	12.5	8580	205		P63	171		80	13	21	35	50	65	82	94	99	100		18	61	21
JUN 11	07:37	11.0	8250	205		P63	324		82	3	6	14	24	34	45	60	73	90	100	55	39	6
JUN 12	08:35	12.0	7880	205		P63	350		80	3	7	13	20	28	40	56	76	92	100	60	33	7
JUN 13	08:34	12.0	7350	205		P63	383		78	6	9	15	21	28	37	50	70	90	100	63	28	9
JUN 14	08:28	12.0	6880	205		P63	287																
JUN 15	12:01	12.0	6670	205		P63	299		86	6	10	16	22	30	41	57	71	85	100	59	31	10
JUN 16	11:31	12.0	6940	205		P63	246		81														
JUN 17	11:05	13.0	7070	205		P63	274																
JUN 18	10:42	13.0	7240	205		P63	305																
JUN 18	10:24	13.0	7270	205		P63	281		86	5	10	17	24	32	42	55	82	93	100	58	32	10
JUN 18	10:54	13.0	1980	91.4	M	P63	270		88	6	9	16	24	31	40	54	71	89	100	60	31	9
JUN 18	10:58	13.0	1670	183	M	P63	158		72														
JUN 18	11:01	13.0	1180	274	M	P63	213		67														
JUN 18	11:04	13.0	695	366	M	P63	215		70														
JUN 18	11:09	13.0	1340	457	M	P63	162		72														
JUN 19	11:26	13.0	7250	205		P63	130		74														
JUN 19	17:15	13.0	7180	205		P63	276		82	3	5	15	23	31	41	54	74	95	100	59	35	6
JUN 20	15:45	14.0	6850	205		P63	110	A	72	16	25	40	52	60	94	100				6	69	25
JUN 21	14:45	14.0	8570	205		P63	250		73	8	11	16	26	33	42	52	78	97	100	58	31	11
JUN 22	15:25	14.0	8680	205		P63	268																
JUN 23	15:15	13.0	8900	205		P63	284																
JUN 24	11:27	12.0	8870	205		P63	259																
JUN 25	16:16	13.0	8520	205		P63	255		89	7	11	18	26	34	43	55	71	93	100	57	32	11
JUN 26	17:05	14.0	8120	205		P63	216																
JUN 27	17:14	14.0	5800	205		P63	210																
JUN 28	16:08	15.0	5800	205		P63	195																
JUN 29	14:26	14.0	5420	205		P63	188																
JUN 30	16:12	14.0	5310	205		P63	135		75														
JUL 01	15:05	15.0	5320	205		P63	175																
JUL 02	15:26	15.0	5410	205		P63	201																
JUL 03	15:11	15.0	5740	205		P63	177																
JUL 04	15:12	15.0	5940	205		P63	231		87	5	8	14	20	27	36	47	61	88	100	54	27	9
JUL 05	14:15	15.0	5500	205		P63	88																
JUL 06	16:14	15.0	5500	205		P63	154		75	11	15	27	37	45	53	64	77	89	100	47	38	15
JUL 09	10:24	17.0	5480	205		P63	154		85	11	16	24	34	43	52	80	71	92	100	48	36	16
JUL 10	15:27	18.0	5280	205		P63	79	A															
JUL 11	15:44	18.0	5060	205		P63	137																
JUL 12	15:32	17.0	5000	205		P63	141																
JUL 13	15:21	18.0	4890	205		P63	152																
JUL 14	16:04	18.0	4950	205		P63	161		70	14	18	28	36	43	50	62	81	100		50	32	18
JUL 15	16:26	18.0	4900	205		P63	131																
JUL 16	14:45	18.0	4740	205		P63	88		67														
JUL 17	13:01	17.0	4540	205		P63	134																
JUL 17	13:46	18.0	4530	205		P63	120		73														
JUL 18	15:21	19.0	4300	205		P63	142		84	17	21	31	40	47	55	78	88	100		45	34	21
JUL 20	15:46	19.0	4090	205		P63	116			9	15	24	34	39	46	59	86	100		54	31	15
JUL 22	13:24	18.0	3960	205		P63	78																
JUL 24	15:09	18.0	3960	205		P63	106																
JUL 27	11:26	18.0	3950	205		P63	82																
JUL 30	15:34	18.0	3610	205		P63	84																
JUL 31	12:20	18.0	3510	205		P63	81																
JUL 31	12:27	18.0	988	91.4	M	P61	87		70														
JUL 31	12:31	18.0	910	183	M	P61	88		73														
JUL 31	12:34	18.0	591	274	M	P61	89		72														
JUL 31	12:39	18.0	288	366	M	P61	70		72														
JUL 31	12:44	18.0	458	457	M	P61	65		69														
JUL 31	13:24	18.0	3510	205		P63	89		76														
AUG 01	15:06	18.0	3410	205		P63	85		89														
AUG 03	15:11	19.0	3380	205		P63	77																
AUG 05	13:45	18.0	3410	205		P63	77																
AUG 07	18:05	18.0	3470	205		P63	87		87														
AUG 10	15:15	18.0	3320	205		P63	79																
AUG 12	13:32	17.0	3130	205		P63	104																
AUG 14	12:04	17.0	3120	205		P63	83																
AUG 16	16:11	18.0	2940	205		P63	51																
AUG 18	14:28	18.0	2820	205		P63	35		73														
AUG 20	15:14	17.0	2730	205		P63	71																
AUG 21	09:44	16.0	2670	205		P63	58																
AUG 23	12:17	17.0	2580	205		P63	61		88														
AUG 26	11:20	16.0	2370	205		P63	74																
AUG 28	18:15	17.0	3280	205		P63	44																
SEP 01	11:28	18.0	2130	205		P63	37																
SEP 03	12:16	14.0	2050	205		P63	48																
SEP 05	11:03	14.0	2130	205		P63	24																
SEP 07	12:20	12.0	2070	205		P63	53		78														
SEP 09	10:12	12.0	2180	205		P63	60																
SEP 12	13:24	13.0	1870	205		P63	47																
SEP 14	11:16	13.0	1820	205		P63	27																
SEP 17	12:28	12.0	2010	205		P63	38		78														
SEP 18	11:57	13.5	2120	205		P63	81																
SEP 22	15:10	12.0	2250	205		P63	49		83														
SEP 24	15:22	12.0	2810	205		P63	90																
SEP 27	10:27	11.0	2240	205		P63	108																
SEP 29	15:41	11.0	2050	205		P63	54		86														
OCT 02	15:36	11.0	1850	205		P63	52																
OCT 04	15:20	11.0	1770	205		P63	44																
OCT 08	15:29	9.0	1620	205		P63	32																
OCT 11	13:26	9.0	1620	205		P63	33																
OCT 14	15:13	9.0	1850	205		P63	92	A	83														
							75																

NOTE : SINGLE VERTICAL LOCATED AT 205 METRES FOR 1985

CONCENTRATION SYMBOL(S): A - CLASSIFIED AS AN ANOMALY
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
OCT 18	14:41	8.0	2750		208	P63	204	86	9	15	24	34	39	46	59	86	100			54	31	15
OCT 22	15:26	7.0	2800		208	P63	88															
OCT 25	15:22	7.0	2830		208	P63	84	83														
OCT 28	15:29	7.0	2480		208	P63	45															
NOV 02	14:12	7.0	2470		208	P63	42	72														
NOV 06	10:55	6.0	1870		208	P63	27	92														
NOV 14	15:02	2.0	1250		208	P63	18															
NOV 18	15:02	2.0	1380		208	P63	9	101														
DEC 16	10:18	1.5	840	W	208	P63	13	106														
DEC 24	07:38	0.1	828		208	P63	8	107														
DEC 27	08:12	0.1	890	Y	208	P63	6															
DEC 31	13:30	0.1	848	Y	208	P63	5	102														

NOTE : SINGLE VERTICAL LOCATED AT 208 METRES FOR 1985

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS Y - DAILY MEAN; ESTIMATED

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	PANEL DISCHARGE (m³/s)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAY 28	10:40	10.5	2810	91.4	0.15	542	91	11	17	27	38	54	71	84	100				29	54	17
MAY 28	10:38	10.5	2810	91.4	1.47	890	83	8	13	22	34	48	69	83	97	100			41	46	13
MAY 28	10:37	10.5	2810	91.4	2.84	767	86	8	12	20	31	41	53	70	81	87	100		47	41	12
MAY 28	10:36	10.5	2810	91.4	4.41	922	91	17	21	28	37	46	58	72	83	92	100		44	35	21
MAY 28	10:33	10.5	2810	91.4	5.88	887	91	11	16	25	33	42	55	68	82	93	100		45	38	16
MAY 28	10:32	10.5	2810	91.4	6.82	847	85	8	10	18	27	35	47	70	86	96	100		53	37	10
MAY 28	10:29	10.5	2810	91.4	7.20	837	100	8	11	17	25	34	43	63	79	93	100		57	32	11
MAY 28	10:28	10.5		91.4	7.38			STREAMBED														
MAY 28	10:50	10.5	1900	183	0.15	491	93	7	14	28	46	64	78	85	100				22	64	14
MAY 28	10:49	10.5	1900	183	1.42	540	88	11	16	26	41	54	70	83	100				30	54	16
MAY 28	10:48	10.5	1900	183	2.84	603	94	7	15	25	38	52	66	88	98	100			34	51	15
MAY 28	10:46	10.5	1900	183	4.25	807	86	10	15	25	36	50	65	82	93	100			35	50	15
MAY 28	10:45	10.5	1900	183	5.67	855	90	10	15	23	33	47	62	79	90	98	100		38	47	15
MAY 28	10:43	10.5	1900	183	6.36	887	90	9	12	21	32	45	59	77	87	94	100		41	47	12
MAY 28	10:42	10.5	1900	183	6.79	790	93	7	10	19	28	38	51	71	89	98	100		49	41	10
MAY 28	10:41	10.5		183	7.09			STREAMBED														
MAY 28	11:05	10.5	1540	274	0.15	519	79	7	11	24	37	52	71	87	93	97	100		29	60	11
MAY 28	11:05	10.5	1540	274	1.22	700	88	8	13	22	32	44	58	78	92	98	100		42	45	13
MAY 28	11:04	10.5	1540	274	2.44	887	86	8	14	21	31	43	56	76	88	97	100		42	44	14
MAY 28	11:03	10.5	1540	274	3.86	757	84	7	10	18	27	38	53	71	85	100			47	43	10
MAY 28	11:01	10.5	1540	274	4.88	898	84	5	10	17	25	33	45	63	84	98	100		55	35	10
MAY 28	11:00	10.5	1540	274	5.48	1080	89	6	9	14	21	29	38	53	69	83	100		62	29	9
MAY 28	10:58	10.5	1540	274	5.80	1880	92	3	3	8	13	19	25	39	59	83	98	100	76	22	3
MAY 28	10:57	10.5		274	6.10			STREAMBED														
MAY 28	11:15	10.5	1080	366	0.15	467	91	5	10	22	41	59	76	93	99	100			24	66	10
MAY 28	11:14	10.5	1080	366	1.47	552	91	7	13	20	34	53	72	87	96	99	100		28	59	13
MAY 28	11:13	10.5	1080	366	2.84	525	86	5	11	22	35	48	62	83	94	98	100		38	51	11
MAY 28	11:12	10.5	1080	366	3.82	830	88	5	12	22	33	45	62	77	85	95	100		38	50	12
MAY 28	11:11	10.5	1080	366	4.80	1010	89	5	8	14	23	30	38	50	67	88	97	100	62	30	8
MAY 28	11:10	10.5		366	4.90			STREAMBED														
MAY 28	11:27	10.5	2400	457	0.15	439	87	17	25	38	55	71	87	95	99	100			13	82	25
MAY 28	11:26	10.5	2400	457	1.86	461	93	7	15	27	43	62	80	94	99	100			20	65	15
MAY 28	11:25	10.5	2400	457	3.36	499	83	8	16	29	45	61	77	90	95	98	100		23	61	16
MAY 28	11:23	10.5	2400	457	5.05	520	92	11	19	30	44	58	73	90	98	100			27	54	19
MAY 28	11:22	10.5	2400	457	6.73	538	87	9	16	27	40	54	68	82	91	97	100		31	53	16
MAY 28	11:21	10.5	2400	457	7.87	571	89	11	14	24	37	50	63	77	85	92	100		37	48	14
MAY 28	11:19	10.5	2400	457	8.11	707	88	7	11	21	32	41	53	65	77	88	100		47	42	11
MAY 28	11:18	10.5		457	8.41			STREAMBED														

NOTE : SINGLE VERTICAL LOCATED AT 208 METRES FOR 1985

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

BED LOAD PARTICLE-SIZE ANALYSIS FOR 1985

DATE	TIME	PANEL DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES										
					.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
MAY 21	17:44	1890	91.4	VUV						1	1	1	1	1	1	1	1
MAY 21	18:03	1440	183	VUV						1	4	4	5	7	9	12	50
MAY 21	18:18	1040	274	VUV				1	6	7	7	7	7	8	12	38	
MAY 21	18:34	630	366	VUV				1	10	12	13	14	17	22	35	100	
MAY 21	18:48	1410	457	VUV		1	4	82	96	97	98	100					
MAY 21	18:52	1410	457	VUV			7	100									
MAY 28	11:42	2810	91.4	VUV					1	2	2	2	2	2	8	27	78
MAY 28	12:04	1900	183	VUV						2	3	3	4	6	10	38	82
MAY 28	12:21	1540	274	VUV		2	15	61	76	86	90	94	100				
MAY 28	12:36	1080	366	VUV		1	10	88	89	94	97	99	100				
MAY 28	12:46	2400	457	VUV				2	2	2	3	13	42	89	100		
JUN 10	13:58	2320	91.4	VUV					1	4	4	5	6	7	7	7	100
JUN 10	14:11	1910	183	VUV					1	10	12	13	14	19	27	44	100
JUN 10	14:21	1480	274	VUV					2	12	13	13	13	20	43	100	
JUN 10	14:36	913	366	VUV						3	3	3	4	12	34	77	100
JUN 10	14:48	1730	457	VUV					3	24	26	27	28	43	83	100	
JUN 11	07:23		91.4	VUV						1	1	1	3	7	15	28	54
JUN 11	07:40		91.4	VUV					1	4	4	6	8	12	17	30	78
JUN 11	10:34		183	VUV					1	5	7	9	10	12	15	31	72
JUN 11	12:50		274	VUV					1	4	5	6	7	11	26	51	78

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

BED MATERIAL PARTICLE-SIZE ANALYSIS FOR 1985

DATE	TIME	PANEL DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	TYPE OF SAMPLER	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES												
					.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00
MAY 28	13:04	2810	91.4	SHIPEK											5	13	39	53	
MAY 28	13:11	2810	91.4	SHIPEK									1	1	5	19	73	100	
MAY 28	13:12	1900	183	SHIPEK											2	10	32	32	
MAY 28	13:16	1900	183	SHIPEK									1	2	6	10	15	15	
MAY 28	13:19	1540	274	SHIPEK							1	1	1	2	3	4	33	100	
MAY 28	13:22	1540	274	SHIPEK					2	3	6	12	26	44	74	100			
MAY 28	13:24	1080	366	SHIPEK					2	2	3	7	21	52	91	100			
MAY 28	13:26	1080	366	SHIPEK					2	2	3	4	6	12	43	80			
MAY 28	13:36	2400	457	SHIPEK					2	3	4	5	15	36	63	100			
MAY 28	13:37	2400	457	SHIPEK					1	1	1	3	15	56	89	100			

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1966	-----PCCCCCC	MANUAL	320	JUN 22	8	DEC 05	230 000	JUN 22	7 410 000	---	---	---
1967	CCCCCCCCCCCC	MANUAL	833	MAY 11	7	JAN 22	578 000	JUN 08	25 300 000	89 400	89 400	---
1968	CCCCCCCCCCCC	MANUAL	821	MAY 24	5	JAN 04	570 000	MAY 24	21 400 000	58 400	63 900	8.8
1969	CCCCCCCCCCCC	MANUAL	1 070	APR 16	11	DEC 29	283 000	APR 16	12 800 000	35 000	54 300	18.7
1970	CCCCCCCCCCCC	MANUAL	880	JUN 07	5	NOV 08	829 000	JUN 08	12 400 000	34 000	49 200	17.8
1971	CCCCCCCCCCCC	MANUAL	1 070	APR 26	5	MAR 10	458 000	MAY 16	18 000 000	49 400	49 200	13.8
1972	CCCCCCCCCCCC	MANUAL	1 110	MAY 17	7	JAN 18	823 000	MAY 17 *	28 000 000 *	76 800	53 800	13.4
1973	CCCCCCCCCCCC	MANUAL	785	MAY 20	5	FEB 14	474 000	MAY 20	13 800 000	37 800	51 500	12.6
1974	CCCCCCCCCCCC	MANUAL	817	MAY 03	4	JAN 10	839 000	JUN 20	24 100 000	88 100	53 400	11.1
1975	CCCCCCCCCCCC	MANUAL	876	MAY 14	2	OCT 31 *	388 000	MAY 14	11 200 000	30 800	50 800	11.4
1976	CCCCCCCCCCCC	MANUAL	1 180	MAY 07 *	5	JAN 24	707 000	MAY 07	25 800 000	70 500	52 800	10.5
1977	CCCCCCCCCCCC	MANUAL	931	APR 29	2	FEB 05	380 000	APR 29	12 700 000	34 800	51 200	10.3
1978	CCCCCCCCCCCC	MANUAL	593	JUN 09	5	JAN 19	358 000	JUN 09	10 600 000	29 200	49 400	10.4
1979	CCCCCCCCCCCC	MANUAL	1 030	MAY 04	6	NOV 02	404 000	JUN 01	14 700 000	40 300	48 700	9.8
1980	CCCCCCCCCCCC	MANUAL	733	MAY 03	4	JAN 10	320 000	MAY 03	8 500 000	25 500	47 000	10.0
1981	CCCCCCCCCCCC	MANUAL	702	APR 26	5	DEC 30	406 000	MAY 26	12 000 000	33 000	46 100	9.7
1982	CCCCCCCCCCCC	MANUAL	847	MAY 21	3	JAN 29	547 000	MAY 21	23 300 000	63 800	47 200	9.2
1983	CCCCCCCCCCCC	MANUAL	382	JUN 03	8	OCT 22	238 000	JUN 03	8 730 000	23 500	45 800	9.4
1984	CCCCCCCCCCCC	MANUAL	1 150	JAN 05	10	FEB 24	443 000	JUN 18	15 100 000	41 200	45 800	8.8
1985	CCCCCCCCCCCC	MANUAL	1 100	MAY 23	5	DEC 31	585 000	MAY 28	15 000 000	41 200	45 300	8.5

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 52 31 48 N LONG 122 26 32 W
DRAINAGE AREA: 114 000 km²
TYPE OF FLOW: REGULATED SINCE 1952
TYPE OF GAUGE: MANUAL

TOTAL SUSPENDED SEDIMENT LOAD 10 800 000 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	310 B	15	402	380 B	17	514	431 B	26 S	988	1
2	310 B	15	402	380 B	17	514	420 B	25	907	2
3	320 B	15	415	380 B	17	514	410 B	25	886	3
4	320 B	15	415	380 B	17	514	430 B	25	929	4
5	320 B	15	415	380 B	18	544	440 B	24 S	912	5
6	330 B	15	428	380 B	18	544	440 B	23	874	6
7	330 B	16	456	380 B	18	544	440 B	22	836	7
8	330 B	16	456	380 B	17	514	440 B	19	722	8
9	340 B	16	470	380 B	17	514	440 B	17	646	9
10	340 B	16	470	380 B	17	514	440 B	16	608	10
11	340 B	17	499	380 B	17	514	430 B	18 S	669	11
12	350 B	17	514	380 B	17	514	430 B	24	892	12
13	350 B	16	484	380 B	17	514	430 B	36	1 340	13
14	350 B	17	514	380 B	18	544	430 B	50	1 860	14
15	360 B	18	560	380 B	18	544	420 B	58	2 100	15
16	360 B	18	560	340 B	18	529	420 B	61	2 210	16
17	360 B	18	560	340 B	18	529	410 B	60 S	2 130	17
18	370 B	18	575	340 B	18	529	400 B	56	1 940	18
19	370 B	18	575	340 B	19	554	400 B	51	1 760	19
20	370 B	18	575	340 B	20	588	400 B	47	1 620	20
21	370 B	17	543	350 B	20	605	400 B	44	1 520	21
22	370 B	17	543	350 B	21	635	400 B	42	1 450	22
23	380 B	17	529	360 B	23	715	410 B	44 S	1 560	23
24	380 B	18	560	370 B	24	767	420 B	54	1 960	24
25	380 B	18	560	380 B	25	821	430 B	71	2 640	25
26	380 B	18	560	400 B	25	893	480 B	98	3 890	26
27	350 B	18	544	410 B	25	921	500 B	131	5 650	27
28	350 B	18	544	420 B	26	943	537	173	8 030	28
29	350 B	18	544				548	226 S	10 700	29
30	350 B	18	544				528	287	13 100	30
31	350 B	18	544				487	372	16 000	31
TOTAL	10 760		15 760	9 990		15 885	13 831		91 319	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	516	451	20 100	1 180	105 S	10 500	4 220	386	141 000	1
2	521	551	24 800	1 180	153	15 700	4 250	352	129 000	2
3	529	642	29 300	1 380	233	27 800	4 270	390 S	144 000	3
4	552	744 S	35 500	1 760	370 S	55 900	4 330	394 S	147 000	4
5	587	812	41 200	2 210	558 S	107 000	4 430	515 S	197 000	5
6	612	818	43 300	2 470	874 S	144 000	4 490	599	232 000	6
7	635	754	41 400	2 380	588	116 000	4 450	484	178 000	7
8	651	668	37 800	2 250	376	73 100	4 250	305	112 000	8
9	678	607	35 600	2 200	256	48 700	3 970	220 S	75 500	9
10	754	655	42 700	2 210	209 S	39 900	3 700	194 S	62 000	10
11	855	879 S	64 900	2 220	227 S	43 500	3 390	186 S	54 500	11
12	992	1 100	94 300	2 140	217	40 100	3 100	146	39 100	12
13	1 250	1 180	127 000	2 040	179	31 500	2 950	150	38 200	13
14	1 560	1 060	143 000	2 010	148	25 400	3 040	203	53 300	14
15	1 830	961	152 000	2 120	148	27 300	3 230	218 S	60 800	15
16	2 020	862 S	150 000	2 280	185 S	36 400	3 380	246 S	71 400	16
17	2 130	738 S	135 000	2 400	244 S	50 600	3 420	238 S	70 300	17
18	2 100	596 S	108 000	2 580	414 S	98 100	3 240	188	52 600	18
19	2 040	485	87 240	3 120	597	181 000	3 010	140	36 400	19
20	1 900	385	64 800	3 710	708	227 000	2 950	129	32 900	20
21	1 770	295	45 100	4 080	833	292 000	3 140	182 S	49 400	21
22	1 650	228 S	32 500	4 260	914 S	336 000	3 320	257	73 700	22
23	1 540	216 S	28 700	4 410	875 S	333 000	3 250	252	70 800	23
24	1 390	210 S	25 200	4 610	955 S	380 000	3 040	187	49 100	24
25	1 340	199	23 000	4 870	1 080	454 000	2 820	129	31 400	25
26	1 300	175	19 700	5 100	1 030	454 000	2 850	103 S	23 800	26
27	1 280	152	16 900	5 120	769	340 000	2 590	102 S	22 800	27
28	1 260	121 S	13 200	4 920	636 S	270 000	2 530	103 S	22 500	28
29	1 230	103 S	10 900	4 640	509 S	204 000	2 530	108	23 600	29
30	1 180	92 S	9 380	4 410	421 S	160 000	2 590	120	26 900	30
31				4 270	408	151 000				31
TOTAL	36 883		1 703 280	94 570		4 750 500	102 510		2 320 800	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	2 740	178	42 100	1 580	87	9 030	885 S	55 S	4 210	1
2	3 040	291	76 400	1 570	83 S	8 550	875	54	4 080	2
3	3 080	226 S	60 300	1 600	87	9 280	881	53	4 190	3
4	2 980	173 S	44 200	1 640	74 S	10 500	885	53	4 410	4
5	2 830	136 S	33 700	1 580	80	11 600	850	53	4 280	5
6	2 810	123	29 800	1 750	139	19 500	890	53	4 310	6
7	2 850	143	35 200	1 800	154	24 000	1 010	81	7 070	7
8	2 790	128	31 100	1 710	120 S	17 700	1 080	90 S	8 480	8
9	2 620	115 S	26 000	1 590	88	13 500	1 080	89 S	8 260	9
10	2 510	111 S	24 100	1 580	77	10 400	920	85	6 170	10
11	2 480	113 S	24 300	1 640	85	9 210	834	55	4 040	11
12	2 540	116	25 500	1 630	80	8 450	771	41	2 730	12
13	2 570	144	32 000	1 540	80	7 880	738	30 S	1 910	13
14	2 540	147	32 300	1 470	66 S	7 110	728	28	1 760	14
15	2 400	118 S	24 500	1 420	48	5 890	848	89	6 520	15
16	2 220	86 S	18 400	1 380	49 S	5 760	1 080	192	17 900	16
17	2 080	99 S	17 800	1 320	50	5 700	1 200	247	25 800	17
18	2 000	92	15 900	1 310	49	5 550	1 560	407	54 900	18
19	1 880	88	14 800	1 270	48	5 380	1 510	310 S	40 400	19
20	1 940	80	13 400	1 220	47 S	4 950	1 300	218	24 500	20
21	1 920	73	12 100	1 190	45	4 630	1 180	185	18 900	21
22	1 820	77	12 800	1 170	41	4 140	1 440	285	33 100	22
23	1 950	107 S	18 000	1 130	41	4 000	1 590	205	28 200	23
24	2 010	157	27 300	1 080	37	3 450	1 450	130	16 300	24
25	2 040	152	26 800	1 020	40	3 530	1 280	90 S	9 950	25
26	2 040	121	21 300	1 000	42	3 630	1 200	75	7 780	26
27	1 970	89 S	15 100	1 000	42	3 630	1 180	65	6 510	27
28	1 850	88 S	14 100	1 000	45	3 970	1 120	58	5 420	28
29	1 730	88 S	10 200	976	49	4 130	1 080	48	4 480	29
30	1 830	60	8 450	925	51	4 080	1 020	40	3 530	30
31	1 580	62	8 480	894	54	4 170				31
TOTAL	71 620		786 310	42 026		243 380	32 403		384 870	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	955	33 S	2 720	896	30	2 320	310 B	17	455	1
2	898	26	2 170	871	28	2 110	320 B	18	486	2
3	859	26	1 930	840	27	1 980	330 B	18	513	3
4	831	26	1 780	808	26	1 820	340 B	17	499	4
5	816	26	1 760	774	27	1 810	350 B	16	484	5
6	785	24	1 630	752	27 S	1 750	360 B	15	467	6
7	753	26	1 680	733	26	1 650	370 B	15	480	7
8	728	31 S	1 950	706	25	1 520	380 B	14	460	8
9	706	35	2 200	687	24	1 420	390 B	13	438	9
10	689	41	2 440	587	23	1 170	400 B	12	415	10
11	688	51	3 030	472	21	856	400 B	12	415	11
12	808	67	4 680	388	23 S	839	390 B	12	404	12
13	1 050	86 S	7 800	385	18	632	380 B	11	361	13
14	1 160	97	9 720	413	14	500	380 B	8	295	14
15	1 440	104	12 900	492	14	595	380 B	8	283	15
16	1 880	116	16 900	524	14	834	380 B	7	230	16
17	1 750	126	19 100	508	15	858	380 B	6	197	17
18	1 720	127	18 900	462	15 S	599	380 B	6	197	18
19	1 630	121	17 000	420 B	13	472	390 B	5 S	168	19
20	1 510	111 S	14 500	400 B	14	484	400 B	5	173	20
21	1 480	100	12 800	370 B	17	843	400 B	4	138	21
22	1 450	93	11 700	350 B	19	875	390 B	4	135	22
23	1 370	77	9 110	330 B	23	856	390 B	4	135	23
24	1 340	61	7 060	310 B	25 S	870	390 B	4	135	24
25	1 270	47 S	5 160	300 B	23	598	380 B	4	131	25
26	1 200	39	4 040	290 B	21	526	380 B	3	98.5	26
27	1 120	36	3 480	280 B	19	460	370 B	3	95.8	27
28	1 060	35	3 210	280 B	18	435	360 B	3	93.3	28
29	1 000	34	2 940	290 B	17	426	360 B	3 S	93.3	29
30	958	33	2 730	300 B	17	441	360 B	3	93.3	30
31	922	32 S	2 550				350 B	3	90.7	31
TOTAL	34 636		209 590	15 219		28 827	11 540		8 851.0	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAR 01	14:21	1.0	431	W	200	X	DIP	24	140														
MAR 01	14:21	1.0	431	W	200	X	DIP	24	140														
MAR 05	11:31		440	W	200	X	DIP	23															
MAR 05	11:31		440	W	200	X	DIP	23															
MAR 11	10:21		430	W	200	X	DIP	17	137														
MAR 11	10:21		430	W	200	X	DIP	17	137														
MAR 17	11:41		410	W	200	X	DIP	52															
MAR 17	11:41		410	W	200	X	DIP	52															
MAR 23	11:53		410	W	200	X	DIP	39	138														
MAR 23	11:53		410	W	200	X	DIP	39	138														
MAR 29	09:15		548	H	180		DIP	167	131	19	24	47	70	85	94	99	100			6	70	24
MAR 29	09:15		548	H	180		DIP	137	131	19	24	47	70	85	94	99	100			6	70	24
APR 04	08:45		548		180		DIP	582	141														
APR 04	08:45		548		180		DIP	582	141														
APR 11	08:16	4.5	838		180		DIP	661	116	26	35	53	79	95	100								
APR 11	13:21		877		180		DIP	892	114	15	23	37	54	78	95	99	100			5	72	23
APR 11	08:16	4.5	838		180		DIP	661	116	26	35	53	79	95	100					0	65	35
APR 11	13:21		877		180		DIP	892	114	15	23	37	54	78	95	99	100			5	72	23
APR 15	08:39		1990		180		DIP	742	114	15	21	33	53	71	89	99	100			0	65	35
APR 15	08:39		1990		180		DIP	742	114	15	21	33	53	71	89	99	100			11	68	21
APR 17	08:13		2130		180		DIP	615	113	12	19	33	52	75	91	98	100			11	68	21
APR 17	08:13		2130		180		DIP	615	113	12	19	33	52	75	91	98	100			9	72	19
APR 18	07:01		2110		180		DIP	474	121											9	72	19
APR 18	07:01		2110		180		DIP	474	121														
APR 22	07:03		1680		180		DIP	178															
APR 22	07:03		1680		180		DIP	178															
APR 23	07:03		1610		180		DIP	167															
APR 23	07:03		1610		180		DIP	167															
APR 24	07:04		1410		180		DIP	181															
APR 24	07:04		1410		180		DIP	181															
APR 28	08:07		1270		180		DIP	102	105														
APR 28	08:07		1270		180		DIP	102	105														
APR 29	08:03		1230		180		DIP	88															
APR 29	08:03		1230		180		DIP	88															
APR 30	08:02		1190		180		DIP	74															
APR 30	08:02		1190		180		DIP	74															
MAY 01	12:08	7.0	1190		180		PS1	102	108														
MAY 01	12:08	7.0	1190		180		DIP	85	104														
MAY 01	12:08	7.0	1190		180		PS1	102	108														
MAY 01	12:08	7.0	1190		180		DIP	85	104														
MAY 04	08:12	8.0	1840		180		DIP	276															
MAY 04	08:57	8.0	1850		180		PS1	328															
MAY 04	08:12	8.0	1840		180		DIP	276															
MAY 04	08:57	8.0	1850		180		PS1	329															
MAY 05	06:05	7.5	2060		180		DIP	405	122	11	19	33	52	71	87	98	100						
MAY 05	06:37	7.5	2070		180		PS1	532	99	13	17	29	44	60	76	88	95	99	100	13	68	19
MAY 05	06:05	7.5	2060		180		DIP	405	122	11	19	33	52	71	87	98	100			24	59	17
MAY 05	06:37	7.5	2070		180		PS1	532	99	13	17	29	44	60	76	88	95	99	100	13	68	19
MAY 05	06:05	7.0	2480		180		DIP	502	110	8	15	29	46	65	83	97	100			24	59	17
MAY 05	06:48	7.0	2480		180		PS1	868	99	7	11	22	37	52	70	88	96	100		17	67	16
MAY 05	06:05	7.0	2480		180		DIP	502	110	8	15	29	46	65	83	97	100			30	59	11
MAY 05	06:48	7.0	2480		180		PS1	868	99	7	11	22	37	52	70	88	98	100		17	67	16
MAY 10	06:01	8.0	2190		180		DIP	179	1											30	59	11
MAY 10	06:34	8.0	2190		180		PS1	214															
MAY 10	06:01	8.0	2190		180		DIP	179	1														
MAY 10	06:34	8.0	2190		180		PS1	214															
MAY 11	06:02	7.5	2220		180		DIP	173															
MAY 11	06:33	7.5	2220		180		PS1	224															
MAY 11	06:02	7.5	2220		180		DIP	173															
MAY 11	06:33	7.5	2220		180		PS1	224															
MAY 15	05:57	9.0	2220		180		PS1	172															
MAY 15	15:21	8.5	2320		180		PS1	196															
MAY 15	05:57	9.0	2220		180		PS1	172															
MAY 15	15:21	8.5	2320		180		PS1	196															
MAY 17	06:14	8.5	2330		180		PS1	214															
MAY 17	15:25	10.0	2480		180		PS1	248															
MAY 17	06:14	8.5	2330		180		PS1	214															
MAY 17	15:25	10.0	2480		180		PS1	248															
MAY 18	06:05	10.5	2620		180		PS1	330	94														
MAY 18	15:23	11.0	2740		180		PS1	492	93	4	10	21	35	52	71	91	97	99	100	29	61	10
MAY 18	06:05	10.5	2620		180		PS1	330	94														
MAY 18	15:23	11.0	2740		180		PS1	492	93	4	10	21	35	52	71	91	97	99	100	29	61	10
MAY 22	06:17	10.5	4210		180		PS1	1140	93	4	9	19	31	42	56	74	88	93	100	44	47	9
MAY 22	15:49	11.0	4310		180		PS1	991 C															
MAY 22	06:17	10.5	4210		180		PS1	1140	93	4	9	19	31	42	56	74	88	93	100	44	47	9
MAY 22	15:49	11.0	4310		180		PS1	991 C															
MAY 23	06:36	10.5	4350		180		PS1	939	90	5	10	17	25	33	46	61	81	95	100	54	36	10
MAY 23	12:00	10.5	827		200	M	PS1	611	85	5	9	17	30	45	61	82	95	100		39	52	9
MAY 23	12:33	10.5	840		170	M	PS1	673	85	6	8	13	21	32	46	65	83	93	100	54	38	8
MAY 23	12:40	10.5	4450		180		PS1	888	110	2	5	13	23	35	50	69	85	95	100	50	45	5
MAY 23	12:44	10.5	4450		180		DIP	453	104	5	11	23	47	69	87	99	100			13	76	11
MAY 23	13:04	10.5	756		140	M	PS1	790	107	3	6	14	24	38	55	76	89	96	100	45	49	6
MAY 23	13:21	10.5	830		110	M	PS1	824	112	3	8	18	31	46	66	89	98	100		31	60	9
MAY 23	13:29	10.5	1000		80.0	M	PS1	1350	108	3	5	11	17	27	46	76	93	100		54	40	6
MAY 23	15:44	11.0	4470		180		PS1	990															
MAY 23	06:38	10.5	4350		180		PS1	939	90	5	10	17	25	33	46	61	81	95	100	54	36	10
MAY 23	12:00	10.5	827		200	M	PS1	611	85	5	9	17	30	45	61	82	95	100		39	52	9
MAY 23	12:33	10.5	840		170	M	PS1	673	85	6	8	13	21	32	46	65	83	93	100	54	38	8
MAY 23	12:40	10.5	4450		180		PS1	888	110	2	5	13	23	35	50	69	85	95	100	50	45	5
MAY 23	12:44	10.5	4450		180		DIP	453	104	5	11	23	47	69	87	99	100			13	76	11
MAY 23	13:04	10.5	756		140	M	PS1	790	107	3	6	14	24	38	55	76	89	96	100	45	49	6
MAY 23	13:21	10.5	830		110	M	PS1	824	112	3	8	18	31	46	66	89	98	100		31	60	9
MAY 23	13:29	10.5	1000		80.0	M	PS1	1350	108	3	5	11	17	27	46	76	93	100		54	40	6
MAY 23	15:44	11.0	4470		180		PS1	990															
MAY 24	06:17	10.5	4530		180		PS1	943	89	5	9	15	25	35	53	70	83	93	100	47	44	9
MAY 24	15:30	11.0	4560		180		PS1	980	89	6	10	16	25	35	48	67	78	88	100	52	38	10
MAY 24	06:17	10.5	4530		180		PS1	943	89	5	9	15	25	35	53	70	83	93	100	47	44	9
MAY 24	15:30	11.0	4560		180		PS1	980	89	6	10	16	25	35	48	67	78	88	100	52	38	10
MAY 28	08:03	9.5	4980		180		PS1	874															
MAY 28	16:54	10.0	4880		180		PS1	979	87	8	11	19	29	39	50	65	75	90	100	50	39	11
MAY 28	08:03	9.5	4980		180		PS1	874															
MAY 28	16:54	10.0	4880		180		PS1	979	87	8	11	19	29	39	50	65	75	90	100	50	39	11

NOTE - SINGLE VERTICAL LOCATED AT 155 METRES FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC016 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m³/s)	SINGLE SAMPLING VERTICAL (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES: .002	.004	.008	.016	.031	.063	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
MAY	28	08:14	9.5	4880	180		PS1	582	88													
MAY	28	15:33	10.0	4610	180		PS1	523	78	4	10	18	1	36	49	62	76	94	100	51	39	10
MAY	28	08:14	9.5	4890	180		PS1	582	88													
MAY	28	15:33	10.0	4610	180		PS1	523	78	4	10	18	26	36	49	62	76	94	100	51	39	10
MAY	30	08:14	10.0	4430	180		PS1	455														
MAY	30	15:35	10.5	4400	180		PS1	442														
MAY	30	08:14	10.0	4430	180		PS1	455														
MAY	30	15:35	10.5	4400	180		PS1	442														
JUN	03	08:14	11.0	4250	180		PS1	409	80	6	13	21	31	40	50	62	80	94	100	50	37	13
JUN	03	15:26	11.5	4300	180		PS1	453														
JUN	03	08:14	11.0	4250	180		PS1	409	80	6	13	21	31	40	50	62	80	94	100	50	37	13
JUN	03	15:26	11.5	4300	180		PS1	453														
JUN	04	08:18	11.5	4300	180		PS1	444														
JUN	04	15:30	12.0	4250	180		PS1	427														
JUN	04	08:18	11.5	4300	180		PS1	444														
JUN	04	15:30	12.0	4250	180		PS1	427														
JUN	05	08:13	11.5	4400	180		PS1	512	81													
JUN	05	15:23	11.5	4450	180		PS1	513	82	7	11	20	28	33	41	48	67	71	100	59	30	11
JUN	05	08:13	11.5	4400	180		PS1	512	81													
JUN	05	15:23	11.5	4450	180		PS1	513	82	7	11	20	28	33	41	48	67	71	100	59	30	11
JUN	09	06:07	10.5	4030	180		PS1	278														
JUN	09	15:10	11.0	3940	180		PS1	258														
JUN	09	06:07	10.5	4030	180		PS1	278														
JUN	09	15:10	11.0	3940	180		PS1	258														
JUN	10	05:59	10.5	3750	180		PS1	227	82	6	12	20	42	55	69	81	90	95	100	31	56	13
JUN	10	15:24	11.0	3870	180		PS1	237														
JUN	10	05:59	10.5	3750	180		PS1	227	82	6	12	20	42	55	69	81	90	95	100	31	56	13
JUN	10	15:24	11.0	3870	180		PS1	237														
JUN	11	08:00	11.0	3470	180		PS1	238														
JUN	11	08:32	11.0	854	198	2	PS1	200	76	15	20	31	46	62	77	89	98	100		22	67	20
JUN	11	08:43	11.0	853	58	0 2	PS1	210	78	10	16	26	42	56	70	85	95	99	100	30	54	16
JUN	11	08:47	11.0	795	106	2	PS1	173	82	11	18	33	50	63	76	91	98	100		24	58	18
JUN	11	08:52	11.0	700	142	2	PS1	183	81	7	11	27	42	57	74	92	99	100		28	63	11
JUN	11	09:13	11.0	632	166	2	PS1	222	81	3	12	24	36	47	61	75	88	93	100	39	49	12
JUN	11	09:14	11.0	3420	160		PS1	233	85	3	10	21	34	47	58	78	87	98	100	41	49	10
JUN	11	09:18	11.0	3420	160		DIP	158	78	10	16	32	54	72	89	97	100			11	73	16
JUN	11	15:47	11.0	3350	160		PS1	206	86													
JUN	11	06:00	11.0	3470	160		PS1	238														
JUN	11	08:32	11.0	854	198	2	PS1	200	76	15	20	31	46	62	77	89	98	100		22	67	20
JUN	11	08:43	11.0	853	58	0 2	PS1	210	78	10	16	26	42	56	70	85	95	99	100	30	54	16
JUN	11	08:47	11.0	817	106	2	PS1	173	82	11	18	33	50	63	76	91	98	100		24	58	18
JUN	11	08:52	11.0	678	142	2	PS1	183	81	7	11	27	42	57	74	92	99	100		28	63	11
JUN	11	09:13	11.0	632	166	2	PS1	222	81	3	12	24	36	47	61	75	88	93	100	39	49	12
JUN	11	09:14	11.0	3420	160		PS1	233	85	3	10	21	34	47	58	78	87	98	100	41	49	10
JUN	11	09:18	11.0	3420	160		DIP	158	78	10	16	32	54	72	89	97	100			11	73	16
JUN	11	15:47	11.0	3350	160		PS1	206	86													
JUN	15	06:08	12.0	3180	160		PS1	260														
JUN	15	15:14	12.0	3280	160		PS1	254														
JUN	15	06:08	12.0	3180	160		PS1	260														
JUN	15	15:14	12.0	3280	160		PS1	254														
JUN	16	06:09	11.0	3310	160		PS1	249														
JUN	16	15:15	11.0	3400	160		PS1	309														
JUN	16	06:09	11.0	3310	160		PS1	249														
JUN	16	15:15	11.0	3400	160		PS1	309														
JUN	17	06:00	11.0	3420	160		PS1	291	87													
JUN	17	15:11	11.5	3420	160		PS1	270	80	5	12	21	34	44	54	70	83	93	100	46	42	12
JUN	17	06:00	11.0	3420	160		PS1	291	87													
JUN	17	15:11	11.5	3420	160		PS1	270	80	5	12	21	34	44	54	70	83	93	100	46	42	12
JUN	21	06:59	13.5	3080	160		PS1	184														
JUN	21	15:12	13.5	3180	160		PS1	208	91	8	10	20	30	40	52	70	86	96	100	38	52	10
JUN	21	06:59	13.5	3080	160		PS1	184														
JUN	21	15:12	13.5	3180	160		PS1	208	91	8	10	20	30	40	52	70	86	96	100	38	52	10
JUN	26	06:59	12.0	2660	160		PS1	112	86													
JUN	26	08:01	12.0	2660	160		DIP	88	83													
JUN	26	06:59	12.0	2660	160		PS1	112	86													
JUN	26	08:01	12.0	2660	160		DIP	88	83													
JUN	27	06:17	12.5	2800	160		PS1	119														
JUN	27	15:13	13.0	2890	160		PS1	106														
JUN	27	06:17	12.5	2800	160		PS1	119														
JUN	27	15:13	13.0	2890	160		PS1	106														
JUN	28	06:13	13.0	2840	160		PS1	113	80													
JUN	28	15:52	13.0	2830	160		PS1	114														
JUN	28	06:13	13.0	2840	160		PS1	113	80													
JUN	28	15:52	13.0	2830	160		PS1	114														
JUL	03	06:19	14.0	3110	160		PS1	262	87	14	19	27	42	56	68	80	90	95	100	32	53	15
JUL	03	15:09	14.5	3080	160		PS1	236														
JUL	03	06:19	14.0	3110	160		PS1	262	87	14	19	27	42	56	68	80	90	95	100	32	53	15
JUL	03	15:09	14.5	3080	160		PS1	236														
JUL	04	06:06	15.0	2930	160		PS1	216														
JUL	04	15:13	15.0	2950	160		PS1	182														
JUL	04	06:06	15.0	2930	160		PS1	216														
JUL	04	15:13	15.0	2950	160		PS1	182														
JUL	05	06:04	15.0	2840	160		PS1	183	82													
JUL	05	15:10	15.5	2830	160		PS1	148														
JUL	05	06:04	15.0	2840	160		PS1	183	82													
JUL	05	15:10	15.5	2830	160		PS1	148														
JUL	09	07:00	15.5	2840	160		PS1	126														
JUL	09	07:00	15.5	2840	160		PS1	126														
JUL	10	06:53	15.0	2510	160		PS1	122														
JUL	10	06:53	15.0	2510	160		PS1	122														
JUL	11	06:46	15.0	2480	160		PS1	121														
JUL	11	06:46	15.0	2480	160		PS1	121														
JUL	15	06:57	15.5	2430	160		PS1	110														
JUL	15	06:57	15.5	2430	160		PS1	110														
JUL	16	06:43		2260	160		PS1	100														
JUL	16	06:43		2250	160		PS1	100														
JUL	17	06:58		2090	160		PS1	103														
JUL	17	06:58		2090	160		PS1	103														
JUL	23	06:35		1940	160		PS1	88														
JUL	23	06:35		1940	160		PS1	88														
JUL	27	06:29		1950	160		PS1	97														
JUL	27	06:29		1950	160		PS1	97														

NOTE : SINGLE VERTICAL LOCATED AT 155 METRES FOR 1985

VERTICAL SYMBOL(S): 2 - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

CONTINUED

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JUL 28	09:42		1880		100		P61	99	79															
JUL 28	09:42		1880		100		P61	99	79															
JUL 29	09:45		1760		100		P61	75																
JUL 29	09:45		1760		100		P61	75																
AUG 02	09:41		1870		100		P61	89																
AUG 02	09:41		1870		100		P61	89																
AUG 04	12:46		1850		100		P61	76																
AUG 04	12:46		1850		100		P61	76																
AUG 08	07:03		1730		100		P61	131	79															
AUG 08	07:03		1730		100		P61	131	79															
AUG 14	07:38		1470		100		P61	89																
AUG 14	07:38		1470		100		P61	89																
AUG 16	12:40	16.0	289		80.0	M	P61	91	93															
AUG 16	12:45	16.0	304		110	M	P61	49	89															
AUG 16	12:49	16.0	309		140	M	P61	90	85															
AUG 16	12:52	16.0	1370		180		P61	82	95															
AUG 16	12:57	16.0	318		170	M	P61	53	89															
AUG 16	13:27	16.0	236		200	M	P61	49	86															
AUG 16	13:31	16.0	1370		180		DIP	48	85															
AUG 16	12:40	16.0	289		80.0	M	P61	51	93															
AUG 16	12:45	16.0	304		110	M	P61	49	89															
AUG 16	12:48	16.0	308		140	M	P61	47																
AUG 16	12:50	16.0	309		140	M	P61	52	F 95															
AUG 16	12:52	16.0	1370		180		P61	52	95															
AUG 16	12:57	16.0	318		170	M	P61	53	89															
AUG 16	13:27	16.0	236		200	M	P61	49	86															
AUG 16	13:31	16.0	1370		180		DIP	48	85															
AUG 20	08:52		1220		180		P61	49	86															
AUG 20	08:52		1220		180		P61	49	86															
SEP 01	07:26		885		180		DIP	49	85															
SEP 01	07:26		885		180		DIP	49	85															
SEP 08	17:20		1120		180		DIP	62																
SEP 08	17:20		1120		180		DIP	62																
SEP 09	13:56	11.5	1040		180		DIP	86	88															
SEP 09	14:14	11.5	1040		180		P61	72	89															
SEP 09	11:56	11.5	1040		180		DIP	86	88															
SEP 09	14:14	11.5	1040		180		P61	72	89															
SEP 12	12:46	12.0	740		180		P61	26	102															
SEP 12	13:49	12.0	740		180		DIP	23	98															
SEP 12	13:46	12.0	740		180		P61	26	102															
SEP 12	13:49	12.0	740		180		DIP	22	98															
SEP 19	08:27	10.0	1940		180		P61	328	99		11	15	33	53	67	78	87	94	98	100	33	56	11
SEP 19	08:27	10.0	1940		180		P61	328	99		11	15	33	53	67	78	87	94	98	100	33	56	11
SEP 25	07:13	9.0	1290		180		P61	95	88															
SEP 25	07:13	9.0	1290		180		P61	95	88															
OCT 01	07:50	8.0	988		180		P61	34																
OCT 01	07:50	8.0	988		180		P61	34																
OCT 08	14:32	5.0	729		180		P61	32																
OCT 08	14:32	5.0	729		180		P61	32																
OCT 13	08:29	5.0	1020		180		P61	83	89															
OCT 13	08:29	5.0	1020		180		P61	83	89															
OCT 20	08:51	5.0	1530		180		P61	114																
OCT 20	08:51	5.0	1530		180		P61	114																
OCT 25	10:39	4.0	1280		180		P61	47	87															
OCT 25	10:39	4.0	1280		180		P61	47	87															
OCT 31	08:39	3.0	927		180		P61	22																
OCT 31	08:39	3.0	927		180		P61	22																
NOV 06	08:25	2.0	784		180		P61	27																
NOV 06	08:25	2.0	784		180		P61	27																
NOV 12	09:41		389		180		DIP	18	104															
NOV 12	09:41		389		180		DIP	18	104															
NOV 18	10:45		486		180		DIP	14																
NOV 18	10:45		486		180		DIP	14																
NOV 24	10:16		310	W	180		DIP	22	131															
NOV 24	10:16		310	W	180		DIP	23	131															
DEC 19	09:59		390	W	180		DIP	5	128															
DEC 19	09:59		390	W	180		DIP	5	128															
DEC 29	13:31		360	W	180		DIP	3	121															
DEC 29	13:31		360	W	180		DIP	3	121															

NOTE : SINGLE VERTICAL LOCATED AT 180 METRES FOR 1985

DISCHARGE SYMBOL(S): W - DAILY MEAN, ICE CONDITIONS
CONCENTRATION SYMBOL(S): F - SAMPLE BOTTLE OVER FILLED
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)				SAMPLED CONCENTRATION MINIMUM (mg/L)				SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)				SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1971	----CCCCCCCC	MANUAL	1	170	MAY	15	7	DEC	03		444	000	MAY	15	8	930	000	---	---	---
1972	---CCCCCCCC-	MANUAL	1	100	MAY	16	13	NOV	16		498	000	MAY	18	14	800	000	---	---	---
1973	--CCCCCCCCC	MANUAL	1	080	MAY	17	5	DEC	28		330	000	MAY	18	9	840	000	---	---	---
1974	CCCCCCCCCCCC	MANUAL	1	230	APR	28	8	JAN	14		437	000	MAY	03	14	500	000	39	800	39	800	---
1975	CCCCCCCCCCCC	MANUAL	1	190	APR	18	5	JAN	29		241	000	MAY	13	7	280	000	20	000	29	800	32.9
1976	CCCCCCCCCCCC	MANUAL	1	820	MAY	05	* 4	JAN	08		744	000	MAY	03	* 20	400	000	* 55	600	38	400	26.8
1977	CCCCCCCCCCCC	MANUAL		843	APR	29	1	DEC	20	*	332	000	JUN	11	8	500	000	26	000	35	300	22.4
1978	CCCCCCCCCCCC	MANUAL	1	140	MAR	31	7	DEC	23		244	000	JUN	07	5	580	000	15	300	31	200	23.4
1979	CCCCCCCCCCCC	MANUAL	1	27[illegible]	MAY	28	5	JAN	31		485	000	MAY	28	10	800	000	29	500	31	000	19.3
1980	CCCCCCCCCCCC	MANUAL		855	APR	16	10	NOV	29		222	000	MAY	01	5	110	000	14	000	28	600	19.8
1981	CCCCCCCCCCCC	MANUAL	1	030	APR	25	8	DEC	24		384	000	MAY	30	8	080	000	22	100	27	800	17.7
1982	CCCCCCCCCCCC	MANUAL	1	400	APR	28	2	JAN	22		427	000	SEP	11	13	900	000	38	100	28	900	15.5
1983	CCCCCCCCCCCC	MANUAL		753	JUN	01	3	DEC	27		188	000	JUN	02	5	290	000	14	500	27	600	15.5
1984	CCCCCCCCCCCC	MANUAL		700	JUN	17	2	JAN	19		180	000	JUN	17	7	580	000	20	700	26	900	14.5
1985	CCCCCCCCCCCC	MANUAL	1	350	MAY	23	3	DEC	29		454	000	MAY	25	10	800	000	28	900	27	000	13.2

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NH129

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (%)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND	PERCENT SILT CLAY
JAN 02	16:30	1.0		10LB	D49	5	144			
JAN 04	15:10	2.5		10LB	D49	7				
JAN 07	14:50	3.0		10LB	D49	8				
JAN 08	15:45	2.0		10LB	D49	8				
JAN 11	14:00	3.0		10LB	D49	6				
JAN 14	19:00	2.0		10LB	D49	8	133			
JAN 16	14:50	2.0		10LB	D49	8				
JAN 18	11:30	3.0		10LB	D49	7				
JAN 21	15:20	5.0		10LB	D49	8				
JAN 23	15:30	5.0		10LB	D49	6				
JAN 25	12:45	3.0		10LB	D49	6				
JAN 28	14:00	3.0		10LB	D49	5	139			
JAN 30	13:30	1.0		10LB	D49	12				
FEB 01	15:45	1.0		10LB	D49	3				
FEB 06	16:25	0.5		WELB	DIP	5				
FEB 06	16:30	0.5		WELB	DIP	4	144			
FEB 11	16:45	2.0		WELB	DIP	4				
FEB 13	16:50	2.0		WELB	DIP	2				
FEB 15	16:15	1.0		WELB	DIP	5				
FEB 16	14:05	1.5		10LB	D49	4				
FEB 18	16:13	1.5		10LB	D49	2	140			
FEB 18	16:55	2.0		10LB	D49	6	136			
FEB 18	17:00	2.0		WELB	DIP	3	137			
FEB 20	16:45	3.5		10LB	D49	3				
FEB 22	16:40	3.5		10LB	D49	3				
FEB 25	16:50	4.0		10LB	D49	5				
FEB 27	16:30	3.5		10LB	D49	4	136			
MAR 01	14:40	3.5		10LB	D49	16				
MAR 04	17:00	3.5		10LB	D49	7	142			
MAR 06	16:53	4.5		10LB	D49	5				
MAR 08	17:15	4.5		10LB	D49	4				
MAR 11	16:30	5.0		10LB	D49	3				
MAR 13	16:35	5.0		10LB	D49	3				
MAR 15	13:30	5.0		10LB	D49	3				
MAR 18	16:30	6.0		10LB	D49	3	184			
MAR 20	16:35	5.5		10LB	D49	3				
MAR 22	16:45	5.0		10LB	D49	4				
MAR 25	16:50	5.0		10LB	D49	6				
MAR 27	16:10	5.0		10LB	D49	5	181			
MAR 29	16:45	5.0		10LB	D49	3				
APR 01	16:40	6.0		10LB	D49	3				
APR 03	16:45	6.0		10LB	D49	6	185			
APR 05	16:20	6.5		10LB	D49	6				
APR 08	16:10	8.5		10LB	D49	6				
APR 10	17:00	9.0		10LB	D49	12	119			
APR 12	15:00	8.5		10LB	D49	18				
APR 15	16:45	8.5		10LB	D49	30				
APR 17	16:30	8.0		10LB	D49	24	80			
APR 19	17:05	7.0		10LB	D49	16				
APR 22	17:00	7.0		10LB	D49	12				
APR 24	14:40	7.0		10LB	D49	9				
APR 26	13:30	8.5		10LB	D49	9				
APR 29	17:00	9.0		10LB	D49	12				
MAY 01	15:20	10.0		10LB	D49	14				
MAY 02	13:45	10.0		10LB	D49	15				
MAY 03	12:45	9.0		10LB	D49	37				
MAY 04	13:20	8.0		10LB	D49	30				
MAY 05	13:30	8.5		10LB	D49	21	77			
MAY 06	12:30	8.5		10LB	D49	18				
MAY 07	10:45	8.0		10LB	D49	13				
MAY 08	13:00	8.0		10LB	D49	14				
MAY 09	12:40	9.0		10LB	D49	12				
MAY 10	17:20	9.0		10LB	D49	11				
MAY 11	15:00	8.0		10LB	D49	12				
MAY 12	14:20	8.5		10LB	D49	9				
MAY 13	13:50	9.5		10LB	D49	8				
MAY 14	16:45	10.0		10LB	D49	8				
MAY 15	13:00	9.0		10LB	D49	8	84			
MAY 16	13:00	10.5		10LB	D49	19				
MAY 17	11:55	10.5		10LB	D49	36				
MAY 18	16:15	12.0		10LB	D49	33				
MAY 19	09:20	10.0		10LB	D49	83				
MAY 20	13:05	11.0		10LB	D49	78				
MAY 21	13:25	12.0		10LB	D49	64				
MAY 22	16:15	12.0		10LB	D49	47	89			
MAY 23	17:00	12.0		10LB	D49	39				
MAY 24	17:00	11.5		10LB	D49	37				
MAY 25	19:20	11.5		10LB	D49	33				
MAY 26	18:10	12.0		10LB	D49	18				
MAY 27	16:40	12.0		10LB	D49	13				
MAY 28	15:00	11.0		10LB	D49	10				
MAY 29	13:30	11.0		10LB	D49	7				
MAY 30	13:15	11.0		10LB	D49	8				
MAY 31	17:05	12.5		10LB	D49	7				
JUN 01	18:50	12.5		10LB	D49	8	85			
JUN 02	17:50	11.5		10LB	D49	7				
JUN 03	17:40	13.0		10LB	D49	6				
JUN 04	18:20	12.5		10LB	D49	5				
JUN 05	19:30	12.0		10LB	D49	7				
JUN 06	16:45	12.0		10LB	D49	6				
JUN 07	19:14	11.5		10LB	D49	18				
JUN 08	11:44	11.0		10LB	D49	83				
JUN 09	16:10	11.0		10LB	D49	15				
JUN 10	16:40	12.0		10LB	D49	12				
JUN 11	14:00	13.0		10LB	D49	11	70			
JUN 12	14:20	12.0		10LB	D49	10				
JUN 13	16:45	12.5		10LB	D49	8				
JUN 14	17:00	12.5		10LB	D49	6				
JUN 15	17:00	15.0		10LB	D49	7				
JUN 16	15:05	14.0		10LB	D49	7				
JUN 17	16:35	15.0		10LB	D49	6				
JUN 18	17:25	16.5		10LB	D49	5				
JUN 19	19:55	17.0		10LB	D49	6				

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

CONTINUED

BRITISH COLUMBIA

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NH129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .003 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	PERCENT SAND	SILT	CLAY
JUN 20	16:47	15.5		10LB	D49	5					
JUN 21	10:11	17.0		10LB	D49	4					
JUN 22	13:36	17.0		10LB	D49	4	83				
JUN 23	19:00	16.5		10LB	D49	4					
JUN 24	16:45	16.0		10LB	D49	4					
JUN 25	17:20	17.0		10LB	D49	4					
JUN 26	13:15	15.0		10LB	D49	3					
JUN 27	16:35	16.5		10LB	D49	3					
JUN 28	17:45	16.0		10LB	D49	4					
JUN 29	18:37	19.0		10LB	D49	5					
JUN 30	18:30	17.5		10LB	D49	3					
JUL 01	11:00	16.0		10LB	D49	5					
JUL 02	10:20	20.0		10LB	D49	4	85				
JUL 03	10:15	20.0		10LB	D49	4					
JUL 04	19:12	19.5		10LB	D49	6					
JUL 05	18:52	20.0		10LB	D49	4					
JUL 06	15:10	21.0		10LB	D49	6					
JUL 07	14:55	21.0		10LB	D49	6					
JUL 08	18:50	23.0		10LB	D49	6					
JUL 09	18:30	23.0		10LB	D49	6					
JUL 10	17:45	23.0		10LB	D49	7	105				
JUL 11	20:24	22.0		10LB	D49	5					
JUL 12	18:20	23.0		10LB	D49	6					
JUL 13	18:45	23.0		10LB	D49	9					
JUL 14	17:25	23.0		10LB	D49	6					
JUL 15	18:30	23.0		10LB	D49	5					
JUL 16	18:40	21.5		10LB	D49	7					
JUL 17	16:35	21.5		10LB	D49	5					
JUL 18	18:20	23.5		10LB	D49	9					
JUL 19	18:30	24.0		10LB	D49	7					
JUL 20	10:20	23.0		10LB	D49	6	112				
JUL 21	16:40	23.0		10LB	D49	6					
JUL 22	16:45	23.0		10LB	D49	7					
JUL 23	17:30	21.0		10LB	D49	13					
JUL 24	18:40	22.0		10LB	D49	9					
JUL 25	13:00	22.0		10LB	D49	5					
JUL 26	17:00	22.5		10LB	D49	6					
JUL 27	16:05	22.0		10LB	D49	7					
JUL 28	13:20	21.5		10LB	D49	5					
JUL 29	16:30	21.5		10LB	D49	5					
JUL 30	18:45	21.5		10LB	D49	6	143				
JUL 31	18:45	21.0		10LB	D49	6					
AUG 02	18:25	20.5		10LB	D49	7					
AUG 06	09:35	18.5		10LB	D49	5					
AUG 07	19:10	18.5		10LB	D49	4	121				
AUG 09	16:30	16.0		10LB	D49	5					
AUG 12	16:35	17.0		10LB	D49	4					
AUG 14	17:30	17.0		10LB	D49	3					
AUG 16	18:20	16.0		10LB	D49	3					
AUG 19	16:54	16.5		10LB	D49	4					
AUG 21	17:30	17.0		10LB	D49	5	126				
AUG 23	17:25	16.0		10LB	D49	5					
AUG 26	17:30	17.5		10LB	D49	3					
AUG 28	15:00	17.0		10LB	D49	5					
AUG 30	09:10	16.5		10LB	D49	4					
SEP 02	16:00	16.0		10LB	D49	4					
SEP 04	15:20	16.0		10LB	D49	3					
SEP 06	15:00	14.0		10LB	D49	1					
SEP 09	19:00	14.5		10LB	D49	4	123				
SEP 11	17:15	15.0		10LB	D49	2					
SEP 13	17:30	14.0		10LB	D49	2	127				
SEP 15	08:50	13.5		10LB	D49	5					
SEP 16	09:00	14.0		10LB	D49	3					
SEP 20	13:45	12.0		10LB	D49	4					
SEP 23	16:30	12.0		10LB	D49	3	136				
SEP 25	16:45	12.5		10LB	D49	3					
SEP 27	14:50	12.0		10LB	D49	2					
SEP 30	16:35	12.0		10LB	D49	4					
OCT 02	17:10	11.0		10LB	D49	4					
OCT 04	16:45	11.0		10LB	D49	2	139				
OCT 07	17:15	10.0		10LB	D49	2					
OCT 09	18:45	10.0		10LB	D49	2	128				
OCT 11	18:05	10.0		10LB	D49	17					
OCT 14	07:50	10.0		10LB	D49	7					
OCT 16	16:35	10.0		10LB	D49	4					
OCT 18	16:45	11.0		10LB	D49	5					
OCT 21	17:00	10.0		10LB	D49	4					
OCT 23	17:00	10.0		10LB	D49	3	131				
OCT 25	17:10	8.5		10LB	D49	6					
OCT 28	17:35	8.0		10LB	D49	7					
OCT 30	16:40	8.5		10LB	D49	13					
NOV 01	16:45	8.0		10LB	D49	9					
NOV 04	16:30	8.0		10LB	D49	5	121				
NOV 06	16:40	7.5		10LB	D49	27					
NOV 08	06:45	7.0		10LB	D49	28					
NOV 11	12:45	4.5		10LB	D49	20	95				
NOV 13	17:05	5.0		10LB	D49	17					
NOV 15	16:45	5.0		10LB	D49	10					
NOV 18	16:45	3.5		10LB	D49	10	120				
NOV 20	13:00	5.0		10LB	D49	6					
NOV 22	13:05	4.0		10LB	D49	6					
NOV 25	16:50	2.5		10LB	D49	7					
NOV 27	16:45	1.5		10LB	D49	20	135				
NOV 29	16:50	2.0		10LB	D49	11					
DEC 02	17:00	2.0		10LB	D49	12					
DEC 04	15:00	4.0		10LB	D49	10					
DEC 06	15:05	4.0		10LB	D49	7					
DEC 09	17:05	3.5		10LB	D49	5	142				
DEC 11	16:45	3.0		10LB	D49	5					
DEC 13	16:40	3.0		10LB	D49	6					
DEC 16	15:15	3.0		10LB	D49	7					
DEC 18	16:40	3.0		10LB	D49	8					
DEC 20	15:05	1.0		10LB	D49	5	130				
				10LB	D49	6					

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

CONTINUED

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NN129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT DISCHARGE (m³/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
DEC 23	16:05	3.0		10LB	D49	5															
DEC 26	14:30	3.0		10LB	D49	7															
DEC 27	16:30	3.0		10LB	D49	8															
DEC 30	09:20	2.5		10LB	D49	4	142														

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NN129

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	SUMMARY HISTORICAL MEAN LOAD (TONNES)	SUMMARY STANDARD ERROR OF MEAN %
1970	----CCCCCCCC	MANUAL	323	JUN 07	2	SEP 29	---	---	---	---	---	---
1971	CCCCCCCCCCCC	MANUAL	586	MAY 15	1	FEB 19	---	---	---	---	---	---
1972	CCCCCCCCCCCC	MANUAL	279	MAY 16	1	AUG 13	---	---	---	---	---	---
1973	CCCCCCCCCCCC	MANUAL	165	NOV 15	3	APR 10	---	---	---	---	---	---
1974	CCCCCCCCCCCC	MANUAL	915	JAN 17 *	1	SEP 02	---	---	---	---	---	---
1975	CCCCCCCCCCCC	MANUAL	301	DEC 06	0	OCT 15 *	---	---	---	---	---	---
1976	CCCCCCCCCCCC	MANUAL	170	MAY 11	0	JUL 27	---	---	---	---	---	---
1977	CCCCCCCCCCCC	MANUAL	52	APR 26	1	AUG 02	---	---	---	---	---	---
1978	PPPPCCPPPPPP	MANUAL	85	MAY 05	0	SEP 02	---	---	---	---	---	---
1979	PPPPPPPPPPPP	MANUAL	41	MAY 09	0	FEB 08	---	---	---	---	---	---
1980	PPPPCCCPPPPP	MANUAL	730	DEC 29	0	JUL 03	---	---	---	---	---	---
1981	PPPPPPPPPPPP	MANUAL	113	JUL 19	2	AUG 23	---	---	---	---	---	---
1982	PPPPCCPPPPPP	MANUAL	120	FEB 25	0	NOV 12	---	---	---	---	---	---
1983	PPPPPPCPPPPP	MANUAL	81	MAY 26	0	FEB 25	---	---	---	---	---	---
1984	PPPPPPPPPPPP	MANUAL	107	APR 23	0	APR 25	---	---	---	---	---	---
1985	PPPPPPPPPPPP	MANUAL	93	MAY 18	1	SEP 04	---	---	---	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 55 03 55 N LONG 121 01 00 W
DRAINAGE AREA: 2 410 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 73 500 TONNES FOR THE PERIOD APR 26 TO OCT 31

REMARKS:

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	12.2 B						384	108	2 480	1
2	12.3 B			19.2	5	8.29	247	84	2 010	2
3	13.5 B			22.0	7	13.3	287	78	1 730	3
4	12.7 B			30.4	17	44.7	358	65 S	1 470	4
5	12.9 B			48.1	26	101	240	52	1 080	5
				52.5	25	114				
6	13.4 B						235	40	778	6
7	13.9 B			51.3	18 S	84.2	200	28 S	484	7
8	14.5 B			50.5	17	74.2	181	21	328	8
9	15.5 B			54.9	23 S	109	180	20	276	9
10	17.0 B			61.2	29	153	138	20	238	10
				63.9	26	144				
11	19.0 B						126	20 S	218	11
12	21.0 B			63.0	22	120	139	19	228	12
13	23.0 B			59.0	18	91.8	153	19 S	251	13
14	25.0 B			57.6	13 S	64.9	185	18	241	14
15	28.6 B			64.7	18	89.4	157	16	217	15
				73.3	103	652				
16	31.0 B						138	15	175	16
17	32.5 B			87.4	255 S	1 930	114	14	138	17
18	34.6 B			128	404	4 470	116	12 S	120	18
19	32.2			193	446	7 440	154	22	283	19
20	28.8			228	322	8 340	180	48	746	20
				253	268	5 840				
21	28.2						181	44	912	21
22	26.3			276	217 S	5 170	138	38	428	22
23	25.1			276	189	4 030	119	28	288	23
24	23.8			285	127	2 810	118	25	255	24
25	22.5			264	85 S	2 170	134	22	265	25
				269	71	1 580				
26	22.0	7 S	13.3	244	55	1 180	140	20	242	26
27	22.0	6	11.4	223	45 S	867	144	18 S	324	27
28	21.4	7	12.9	229	42	831	137	18	168	28
29	20.6	7	12.8	230	41	818	134	15	174	29
30	19.8	8 S	10.3	229	48	910	164	23	328	30
31				258	82 S	1 830				31
TOTAL	646.2		80.4			49 886.79				TOTAL
				4 402.6			4 988		16 485	

DAY	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	177	27	413	47.2	3 S	12.2				
2	154	20	266	46.8	3	12.7	26.3	5	11.4	1
3	139	15	180	50.2	3	13.0	26.7	5	11.5	2
4	134	13 S	151	49.0	3	12.7	26.0	5	11.2	3
5	133	13	149	48.7	3	12.9	24.8	5	10.6	4
							26.8	5	11.8	5
6	128	12	133	44.6	3	11.6	31.3	4	10.8	6
7	114	12	118	44.8	3	11.6	29.7	4	10.3	7
8	102	12	105	55.3	3	14.3	28.7	4	9.23	8
9	103	11	97.9	55.7	3	14.4	24.8	4	8.61	9
10	107	11	102	57.2	3	14.8	23.4	4	8.23	10
11	106	11 S	101	53.3	3	13.8	24.0	4	8.29	11
12	100	10	86.4	48.7	3	12.8	28.0	8	19.4	12
13	81.0	10	78.8	50.5	3	13.1	52.8	30	137	13
14	78.0	10	67.4	46.1	3	11.8	80.2	42	281	14
15	71.4	9	55.5	48.3	3	12.5	82.3	35	249	15
16	87.4	9	52.4	51.3	3	13.3				
17	84.8	8	44.8	47.8	3	12.3	104	49	440	16
18	83.0	8	43.5	44.0	3	11.4	185	51	727	17
19	82.8	8	43.4	42.1	2	7.27	124	34	384	18
20	84.7	7	38.1	38.4	2	6.81	91.5	20	158	19
							79.9	18	124	20
21	86.9	7	40.6	36.2	2	9.38	157	36	488	21
22	89.2	7	41.5	33.4	3	8.88	142	23	282	22
23	70.5	8	36.5	31.3	3	8.11	108	17	159	23
24	67.9	8	35.2	32.1	3	8.32	87.4	11	83.1	24
25	65.0	8	33.7	32.0	3	8.29	74.5	7	45.1	25
26	57.5	8	29.8	30.3	4	10.5	89.7	5	30.1	26
27	50.9	5	22.0	27.2	4	9.40	88.9	5 S	28.8	27
28	46.4	5	20.0	25.2	4	8.71	82.7	4	21.7	28
29	43.3	5	18.7	23.9	5	10.3	67.1	4	18.7	29
30	43.2	4	14.9	23.9	5 S	10.3	51.8	4	17.9	30
31	45.4	4	15.7	24.9	5	10.8				31
TOTAL	2 586.3		2 636.9	1 285.3		348.25	1 977.6		3 787.66	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

SUSPENDED SEDIMENT FOR 1985

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	47.5	4	16.4							1
2	43.7	4	15.1							2
3	42.8	4	14.7							3
4	39.4	4	13.8							4
5	38.6	4	13.3							5
6	38.6	4	13.3							6
7	36.1	4	12.5							7
8	33.1	3	8.58							8
9	31.7	3	8.22							9
10	31.6	3	8.19							10
11	34.7	3 S	8.99							11
12	36.1	3	9.36							12
13	38.5	3	9.84							13
14	45.9	3	11.9							14
15	45.2	3	11.7							15
16	46.7	3	12.1							16
17	51.5	2	8.90							17
18	54.9	3	14.2							18
19	53.4	3	13.8							19
20	51.7	2	10.7							20
21	50.1	2	10.4							21
22	55.6	2	9.61							22
23	53.2	2	9.19							23
24	49.6	2	8.57							24
25	45.7	1	3.95							25
26	42.3									26
27	39.5	1	3.65							27
28	37.8	1	3.41							28
29	36.3	1	3.27							29
30	33.8	1	3.05							30
31	32.0	1	2.92							31
TOTAL	1 336.4		296.30							TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT CONCENT (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
APR 28	12:10	2.0	12.4	61.0	D49	7	181														
APR 30	14:51	7.0	19.8	61.0	D49	6	225														
MAY 08	12:25	6.0	51.0	61.0	D49	19	169														
MAY 08	16:06	8.0	56.5	61.0	D49	25															
MAY 13	13:22	9.0	57.6	61.0	D49	12	168														
MAY 16	16:37	8.0	91.6	61.0	D49	279															
MAY 21	18:21	8.0	284	61.0	D49	208															
MAY 24	10:41	5.0	54.9	30.0 M	D49	90	132														
MAY 24	16:46	5.0	51.0	46.0 M	D49	103	121														
MAY 24	16:51	5.0	55.1	59.0 M	D49	101	127														
MAY 24	16:56	5.0	269	61.0	D49	96	130														
MAY 24	17:01	5.0	53.8	71.0 M	D49	89	129														
MAY 24	17:06	5.0	54.7	83.0 M	D49	74	132														
MAY 27	14:02	7.0	222	61.0	D49	44															
MAY 31	14:13	8.5	286	61.0	D49	86															
JUN 04	11:49	8.0	285	61.0	D49	67	116														
JUN 07	13:56	9.0	199	61.0	D49	27															
JUN 11	13:31	9.0	126	61.0	D49	19	122														
JUN 13	13:27	9.0	154	61.0	D49	19															
JUN 18	16:06	12.0	123	61.0	D49	14	125														
JUN 18	16:11	12.0	25.9	34.0 M	D49	12	125														
JUN 18	16:16	12.0	23.1	50.0 M	D49	13	127														
JUN 18	16:21	12.0	26.2	61.0 M	D49	12	122														
JUN 18	16:26	12.0	24.3	73.0 M	D49	14	122														
JUN 18	16:31	12.0	24.0	82.0 M	D49	11	126														
JUN 27	15:26	10.5	168	61.0	D49	17	85														
JUL 04	13:31	12.0	137	61.0	D49	13	86														
JUL 11	15:42	12.0	106	61.0	D49	11	86														
AUG 01	14:56	17.0	48.0	61.0	D49	3	91														
AUG 30	14:32	14.0	24.0	61.0	D49	6	141														
SEP 27	14:24	7.0	89.2	61.0	D49	6	119														
OCT 11	12:16	3.0	38.2	61.0	D49	3	129														

NOTE - SINGLE VERTICAL LOCATED AT 61.0 METRES FOR 1985

VERTICAL SYMBOL(S) M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT STANDARD ERROR OF MEAN %
1978	----CCCCC---	MANUAL	178	MAY 30	1	AUG 28 *	3 620	MAY 21	37 200	---	---	---
1979	----PCCCC---	MANUAL	335	JUN 04	3	SEP 27	7 880	JUN 04	88 800	---	---	---
1980	-----PCCCC--	MANUAL	20	JUN 24	3	OCT 21	481	JUN 30	10 800	---	---	---
1981	----CCCCCC--	MANUAL	304	MAY 21	2	SEP 29	14 300	MAY 22	128 000	---	---	---
1982	----CCCCCC--	MANUAL	2 230	JUL 15 *	7	SEP 21	124 000	JUL 15 *	374 000 *	585	586	---
1983	---PCCCCCC--	MANUAL	148	MAY 30	2	AUG 23	4 150	MAY 31	38 800	2 030	1 380	48.4
1984	---CCCCCCC--	MANUAL	133	JUN 11	6	JUL 11	3 070	OCT 09	49 800	204	873	58.2
1985	---PCCCCCC--	MANUAL	278	MAY 15	3	AUG 01	7 440	MAY 15	73 800	288	787	53.3
										389	717	47.2

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ182

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 06	10:40	1.0	0.002	H	WELB	DIP	1	79														
JAN 13	15:40	1.5	0.002	H	WELB	DIP	1															
JAN 20	15:00	2.0	0.002	H	WELB	DIP	0	76														
JAN 27	14:35	1.5	0.002	H	WELB	DIP	1															
FEB 03	15:30	0.5	0.002	H	WELB	DIP	1	80														
FEB 10	16:00	1.0	0.002	Y	WELB	DIP	2															
FEB 13	13:30	1.5	0.002	H	WELB	DIP	1	87														
FEB 17	17:00	2.0	0.002	H	WELB	DIP	0															
FEB 24	17:15	2.0	0.003	H	WELB	DIP	3	83														
MAR 03	17:05	2.0	0.002	H	WELB	DIP	0															
MAR 10	17:45	2.0	0.003	H	WELB	DIP	3															
MAR 17	15:30	2.0	0.004	H	WELB	DIP	0	89														
MAR 20	07:20	2.0	0.009	H	WELB	DIP	1															
MAR 24	16:40	2.0	0.008	H	WELB	DIP	1	83														
MAR 27	08:00	2.0	0.008	H	WELB	DIP	2															
MAR 31	18:00	2.5	0.009	H	WELB	DIP	3	86														
APR 03	08:00	3.0	0.026	H	WELB	DIP	2															
APR 07	15:30	3.0	0.037	H	WELB	DIP	3															
APR 08	17:00	3.0	0.055	H	WELB	DIP	8	75														
APR 09	07:45	3.0	0.066	H	WELB	DIP	5	69														
APR 10	07:35	3.0	0.158	H	WELB	DIP	18															
APR 11	08:05	3.0	0.260	H	WELB	DIP	22															
APR 12	07:45	3.5	0.332	H	WELB	DIP	16															
APR 13	17:35	4.0	0.478	H	WELB	DIP	47															
APR 14	09:31	4.0	0.477	H	WELB	DIP	25															
APR 15	17:45	4.0	0.405	H	WELB	DIP	13															
APR 16	08:00	4.0	0.405	H	WELB	DIP	12															
APR 17	07:25	4.0	0.438	H	WELB	DIP	25	54														
APR 18	06:30	4.0	0.394	H	WELB	DIP	14															
APR 19	07:20	4.0	0.335	H	WELB	DIP	8															
APR 20	14:20	4.0	0.285	H	WELB	DIP	5															
APR 21	18:25	4.5	0.204	H	WELB	DIP	9															
APR 22	07:10	3.5	0.185	H	WELB	DIP	5															
APR 23	07:10	4.0	0.172	H	WELB	DIP	4															
APR 24	18:50	4.0	0.145	H	WELB	DIP	5															
APR 25	18:50	4.0	0.136	H	WELB	DIP	4															
APR 26	07:30	4.0	0.132	H	WELB	DIP	2															
APR 27	09:50	4.0	0.188	H	WELB	DIP	5	58														
APR 28	18:45	5.0	0.172	H	WELB	DIP	4															
APR 29	17:35	5.0	0.174	H	WELB	DIP	2	43														
APR 30	07:30	4.0	0.177	H	WELB	DIP	2															
MAY 01	07:30	4.5	0.201	H	WELB	DIP	4															
MAY 02	18:00	6.0	0.311	H	WELB	DIP	9															
MAY 03	06:25	5.0	0.352	H	WELB	DIP	8															
MAY 04	20:00	5.0	0.250	H	WELB	DIP	3															
MAY 05	17:25	5.5	0.211	H	WELB	DIP	8															
MAY 06	07:15	5.0	0.195	H	WELB	DIP	4															
MAY 07	08:10	5.0	0.179	H	WELB	DIP	1															
MAY 08	19:50	6.0	0.172	H	WELB	DIP	1															
MAY 09	18:15	6.0	0.152	H	WELB	DIP	1	34														
MAY 10	07:30	5.0	0.149	H	WELB	DIP	0															
MAY 11	18:25	5.0	0.150	H	WELB	DIP	1															
MAY 12	15:20	6.0	0.140	H	WELB	DIP	1															
MAY 13	06:45	4.0	0.135	H	WELB	DIP	2															
MAY 14	07:15	4.5	0.130	H	WELB	DIP	1															
MAY 15	07:05	5.0	0.125	H	WELB	DIP	1															
MAY 16	18:00	7.0	0.125	H	WELB	DIP	1															
MAY 16	20:00	8.0	0.126	H	WELB	DIP	2															
MAY 17	07:20	6.0	0.136	H	WELB	DIP	2	34														
MAY 18	18:45	8.5	0.135	H	WELB	DIP	1															
MAY 19	19:10	8.5	0.131	H	WELB	DIP	3															
MAY 20	19:05	9.0	0.120	H	WELB	DIP	4															
MAY 21	20:15	9.0	0.106	H	WELB	DIP	2															
MAY 22	20:30	8.5	0.097	H	WELB	DIP	1															
MAY 23	18:00	10.0	0.088	H	WELB	DIP	2															
MAY 24	16:00	10.0	0.085	H	WELB	DIP	0															
MAY 25	18:30	10.0	0.086	H	WELB	DIP	1															
MAY 26	15:20	10.0	0.080	H	WELB	DIP	1															
MAY 27	18:25	9.0	0.076	H	WELB	DIP	0	39														
MAY 28	08:00	8.0	0.073	H	WELB	DIP	2															
MAY 29	08:00	9.5	0.089	H	WELB	DIP	1															
MAY 30	17:20	10.0	0.058	H	WELB	DIP	1															
MAY 31	19:00	10.0	0.054	H	WELB	DIP	1															
JUN 01	17:55	10.0	0.052	H	WELB	DIP	1															
JUN 02	19:10	9.0	0.050	H	WELB	DIP	1															
JUN 03	07:40	8.0	0.050	H	WELB	DIP	0															
JUN 05	18:30	9.0	0.048	H	WELB	DIP	1															
JUN 06	17:15	8.5	0.045	H	WELB	DIP	2															
JUN 07	19:05	9.0	0.054	H	WELB	DIP	4	56														
JUN 08	14:15	9.0	0.050	H	WELB	DIP	0															
JUN 09	18:30	9.0	0.045	H	WELB	DIP	2															
JUN 10	08:40	8.0	0.043	H	WELB	DIP	3															
JUN 11	21:30	9.5	0.040	H	WELB	DIP	1															
JUN 12	20:50	10.0	0.038	H	WELB	DIP	0															
JUN 13	21:15	10.0	0.036	H	WELB	DIP	3															
JUN 14	18:30	10.0	0.035	H	WELB	DIP	5															
JUN 15	18:05	11.0	0.033	H	WELB	DIP	2	52														
JUN 16	22:00	10.0	0.031	H	WELB	DIP	4															
JUN 17	20:30	10.0	0.030	H	WELB	DIP	1															
JUN 18	21:05	11.5	0.028	H	WELB	DIP	1															
JUN 19	20:00	12.0	0.027	H	WELB	DIP	2															
JUN 20	21:45	11.5	0.025	H	WELB	DIP	1															
JUN 21	21:00	12.0	0.024	H	WELB	DIP	0															
JUN 22	19:20	11.0	0.022	H	WELB	DIP	0															
JUN 23	10:30	10.0	0.021	H	WELB	DIP	3															
JUN 24	14:00	9.0	0.020	H	WELB	DIP	0															
JUN 25	20:00	10.0	0.018	H	WELB	DIP	3	57														
JUN 26	19:15	11.0	0.017	H	WELB	DIP	1															
JUN 27	07:40	10.0	0.017	H	WELB	DIP	1															
JUN 28	19:50	12.5	0.015	H	WELB	DIP	1															
JUN 29	19:25	13.0	0.014	H	WELB	DIP	1															
JUN 30	19:35	13.0	0.013	H	WELB	DIP	0	78														
JUL 03	19:30	15.0	0.011	H	WELB	DIP	1															

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN Y - DAILY MEAN, ESTIMATED

CONTINUED

BRITISH COLUMBIA

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ182 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)		TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JUL 07	20:30	15.0	0.009	H	WELB	DIP	3															
JUL 10	08:30	15.0	0.008	H	WELB	DIP	1															
JUL 14	19:00	15.0	0.005	H	WELB	DIP	0	73														
JUL 17	20:10	15.0	0.004	H	WELB	DIP	2															
JUL 21	17:35	16.0	0.003	H	WELB	DIP	1															
JUL 24	20:15	14.5	0.004	H	WELB	DIP	2															
JUL 28	20:15	14.0	0.002	H	WELB	DIP	0	82														
JUL 31	07:35	14.0	0.003	H	WELB	DIP	5															
AUG 04	20:10	14.0	0.005	H	WELB	DIP	0															
AUG 07	18:40	14 0	0.002	H	WELB	DIP	0															
AUG 11	19:00	13.0	0.003	H	WELB	DIP	1															
AUG 14	17:00	12.0	0.002	H	WELB	DIP	0	77														
AUG 18	19:00	13.0	0.002	H	WELB	DIP	1															
AUG 21	18:25	12.0	0.002	H	WELB	DIP	1															
AUG 25	19:20	13.5	0.002	H	WELB	DIP	1															
AUG 28	19:30	13.0	0.002	H	WELB	DIP	0	83														
SEP 01	19:10	11.5	0.001	H	WELB	DIP	1	80														
SEP 04	11:20	11.0	0.002	H	WELB	DIP	0															
SEP 06	18:30	9.0	0.010	H	WELB	DIP	0															
SEP 08	14:55	9.5	0.003	H	WELB	DIP	0															
SEP 11	17:50	10.5	0.003	H	WELB	DIP	0															
SEP 15	12:50	9.5	0.003	H	WELB	DIP	0															
SEP 18	17:20	9.0	0.003	H	WELB	DIP	0	78														
SEP 22	16:20	8.0	0.002	H	WELB	DIP	1															
SEP 25	17:25	8.0	0.002	H	WELB	DIP	4															
SEP 29	08:20	5.0	0.002	H	WELB	DIP	2															
OCT 02	16:25	7.0	0.002	H	WELB	DIP	1	86														
OCT 06	18:00	6.5	0.006	H	WELB	DIP	1	82														
OCT 09	11:30	3.5	0.002	H	WELB	DIP	1															
OCT 13	17:15	5.0	0.003	H	WELB	DIP	0															
OCT 14	17:15	5.0	0.008	H	WELB	DIP	0															
OCT 16	17:55	8.0	0.003	H	WELB	DIP	1	80														
OCT 20	17:35	4.0	0.003	K	WELB	DIP	2															
OCT 23	15:30	6.0	0.003	H	WELB	DIP	1															
OCT 27	16:30	4.0	0.010	H	WELB	DIP	1															
OCT 30	11:45	4.0	0.005	H	WELB	DIP	1															
NOV 02	12:10	2.0	0.013	H	WELB	DIP	1	86														
NOV 03	23:05	3.0	0.017	H	WELB	DIP	1	70														
NOV 06	16:30	2.5	0.015	H	WELB	DIP	2															
NOV 10	08:00	0.5	0.016	H	WELB	DIP	1															
NOV 13	16:00	0.1	0.016	H	WELB	DIP	1	85														
NOV 17	16:00	1.0	0.016	H	WELB	DIP	0															
NOV 20	12:00	0.1	0.015	H	WELB	DIP	1															
NOV 24	15:30	0.1	0.014	H	WELB	DIP	1	48														
NOV 27	16:00	0.1	0.013	H	WELB	DIP	4															
DEC 01	15:10	0.1	0.012	H	WELB	DIP	1															
DEC 08	15:15	0.1	0.012	H	WELB	DIP	1	50														
DEC 15	15:50	0.5	0.011	H	WELB	DIP	2															
DEC 22	15:30	1.0	0.010	H	WELB	DIP	1	48														
DEC 29	15:50	0.5	0.010	H	WELB	DIP	1	45														

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S): H - DAILY MEAN

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ182

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)			MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1983	PPPPCPPPPPPP	MANUAL	118	APR 25	*	0	APR 13	*	---	---	---	---	---	---
1984	PPPPPPPPPPPP	MANUAL	44	APR 17		0	FEB 5		---	---	---	---	---	---
1985	PPPPPPPPPPPP	MANUAL	47	APR 13		0	JAN 20		---	---	---	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 55 10 14 N LONG 121 45 30 W
DRAINAGE AREA: 927 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 55 300 TONNES FOR THE PERIOD APR 26 TO OCT 31

REMARKS:

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	3.09 B			7.43	3	1.93	184	185	2 340	1
2	3.15 B			9.12	4	3.15	177	134	2 060	2
3	3.30 B			17.2	20	29.7	169	108	1 580	3
4	3.48 B			28.2	37	90.1	164	87 S	1 230	4
5	3.62 B			29.2	34	85.8	150	73	946	5
6	3.87 B			25.9	24 S	53.7	134	61	706	6
7	4.15 B			25.0	20	43.2	106	52 S	475	7
8	4.60 B			28.2	23 S	56.0	87.5	45	340	8
9	5.10 B			32.2	31	88.2	73.5	38	248	9
10	5.65 B			30.6	38	100	64.5	34	189	10
11	6.20 B			27.3	46	109	67.1	30 S	174	11
12	8.06 A			24.8	54	116	79.3	37	254	12
13	17.7			23.8	62 S	127	83.1	49 S	352	13
14	25.6			31.7	78	216	80.3	48	333	14
15	23.8			35.5	104	319	72.2	40	250	15
16	18.1			49.2	138 S	587	57.3	35	173	16
17	16.7			84.4	199	1 450	51.7	35	156	17
18	14.5			137	300	3 550	62.5	54	292	18
19	12.0			135	415	4 840	92.5	76 S	607	19
20	11.0			176	423	6 430	90.6	61	477	20
21	10 S			185	272 S	4 350	70.1	46	278	21
22	9.85			171	186	2 750	58.6	36	177	22
23	9.39			149	139	1 790	50.3	27	117	23
24	9.05			150	105	1 360	51.3	20	88.6	24
25	8.73			123	82 S	871	56.1	17	82.4	25
26	8.85	4 S	2.99	118	74	754	58.4	15	75.7	26
27	8.28	4	2.85	123 A	69 S	733	56.0	13 S	62.9	27
28	7.88	4	2.76	144 E	73	908	51.8	11	49.2	28
29	7.85	4	2.71	161 E	102	1 420	49.2	10	42.5	29
30	7.46	4 S	2.58	176 E	189	2 420	63.6	18	98.9	30
31				175 A	201 S	3 040				31
TOTAL	282.41		13.90	2 632.76		38 889.78	2 591.5		14 246.2	TOTAL

DAY	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	60.0	19	98.5	9.25	2 S	1.60	5.98	2	1.03	1
2	50.5	13	56.8	9.28	2	1.60	6.03	2	1.04	2
3	46.1	8	31.9	8.86	2	1.53	5.71	2	0.99	3
4	45.3	7 S	27.4	8.57	2	1.48	5.57	2	0.95	4
5	45.1	7	27.3	8.29	2	1.43	6.61	2	1.14	5
6	41.5	7	25.1	7.76	2	1.34	7.47	2	1.29	6
7	34.1	6	17.7	8.17	2	1.41	8.99	2	1.21	7
8	32.1	7	19.4	10.8	2	1.83	6.71	2	1.16	8
9	34.1	7	20.6	9.66	2	1.67	6.58	2	1.14	9
10	33.2	8	17.2	9.52	2	1.65	6.68	2	1.15	10
11	32.0	6 S	16.6	8.56	1	0.74	6.84	2	1.20	11
12	28.1	6	14.6	9.04	1	0.78	7.85	2	1.32	12
13	23.3	5	10.1	9.38	1	0.81	21.3	8	14.7	13
14	20.4	5	8.81	8.32	1	0.72	37.2	12	38.6	14
15	18.8	5	8.12	12.6	2	2.16	27.3	9	21.2	15
16	17.5	5	7.56	12.9	3	3.34	81.3	29	204	16
17	16.5	5	7.13	10.5	2	1.81	84.2	25	182	17
18	15.5	5	6.70	9.20	2	1.59	53.2	14	64.4	18
19	15.8	5	6.83	8.30	2	1.43	38.5	10	33.3	19
20	16.0	4	5.53	7.67	2	1.33	75.7	25	164	20
21	15.9	4	5.50	7.23	2	1.25	135	50	583	21
22	15.4	4	5.67	6.79	2	1.17	70.6	20	122	22
23	14.9	3	3.86	6.38	2	1.10	49.4	12	51.2	23
24	13.7	3	3.55	6.35	2	1.10	40.5	11	38.5	24
25	11.9	3	3.08	6.33	2	1.09	33.9	10	29.3	25
26	10.9	3	2.83	6.31	2	1.09	31.6	8	22.0	26
27	10.1	2	1.75	5.92	2	1.02	29.6	6 S	15.4	27
28	9.58	2	1.66	5.60	2	0.97	25.4	5	11.4	28
29	9.20	2	1.59	5.46	2	0.94	23.3	5	10.1	29
30	9.40	2	1.62	5.45	2 S	0.94	20.4	4	7.05	30
31	9.28	2	1.60	5.52	2	0.95				31
TOTAL	757.26		486.59	253.76		41.89	958.72		1 625.78	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

SUSPENDED SEDIMENT FOR 1985

OCT

DAY	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	18.6	4	6.43							1
2	17.1	4	5.91							2
3	15.8	3	4.10							3
4	14.2	3	3.68							4
5	13.9	3	3.60							5
6	14.0	2	2.42							6
7	12.6	2	2.18							7
8	11.3	2	1.95							8
9	11.0	2 S	1.90							9
10	11.3	2	1.95							10
11	13.0	2	2.25							11
12	13.6	2	2.35							12
13	17.4	2	3.01							13
14	24.8	2	4.29							14
15	21.7	4	7.50							15
16	26.4	6	13.7							16
17	35.1	7	21.[illegible]							17
18	35.1	6	18.2							18
19	41.5	7	25.1							19
20	40.2	6	20.8							20
21	33.6	5	14.5							21
22	34.8	4	12.0							22
23	34.1	3	8.84							23
24	29.5	3	7.65							24
25	26.1	3	6.77							25
26	22.6	2	3.91							26
27	19.8	2	3.42							27
28	17.6	2	3.04							28
29	15.8 E	2	2.73							29
30	13.9 E	1	1.20							30
31	12.6 E	1	1.09							31
TOTAL	670.0		218.27							TOTAL

E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
APR 26	09:41	7.0	8.81	41.0	DH48	4	179														
APR 30	17:50	6.0	7.52	41.0	DH48	4	187														
MAY 06	15:46	5.0	25.1	41.0	DH48	22	153														
MAY 08	13:05	7.0	27.8	41.0	D49	24															
MAY 13	10:32	8.0	22.5	41.0	D49	64	151														
MAY 16	13:36	8.0	47.4	41.0	D49	153															
MAY 21	15:16	5.0	173	41.0	D49	288	104	2[illegible]	24	33	44	57	72	85	95	100			28	48	24
MAY 25	09:36	4.0	24.9	30.0 M	D49	84	118														
MAY 25	09:41	4.0	26.7	38.0 M	D49	81	120														
MAY 25	09:46	4.0	128	41.0	D49	95	118														
MAY 25	09:51	4.0	27.4	50.0 M	D49	95	118														
MAY 25	09:56	4.0	25.2	59.0 M	D49	80	117														
MAY 25	09:59	4.0	24.1	68.0 M	D49	85	123														
MAY 27	10:59	5.5	115	41.0	D49	82															
MAY 31	11:15	6.0	177	41.0	D49	257	110	25	25	35	47	58	72	86	95	99	100		28	47	25
JUN 04	14:46	7.0	158	41.0	D49	104	108														
JUN 07	10:56	6.0	105	41.0	D49	83															
JUN 11	10:29	7.0	84.7	41.0	D49	37	108														
JUN 13	10:46	7.0	84.1	41.0	D49	82															
JUN 19	10:16	10.0	17.5	28.0 M	D49	87	107														
JUN 19	10:21	10.0	20.9	38.0 M	D49	77	104														
JUN 19	10:26	10.0	92.6	41.0	D49	96	104														
JUN 19	10:31	10.0	18.9	48.0 M	D49	81	105														
JUN 19	10:36	10.0	17.3	58.0 M	D49	76	104														
JUN 19	10:41	10.0	18.0	67.0 M	D49	89	106														
JUN 27	11:53	9.0	56.6	41.0	D49	13	107														
JUL 04	17:41	13.0	44.3	41.0	D49	8	101														
JUL 11	13:26	10.5	33.2	41.0	D49	5	108														
AUG 01	12:31	14.0	9.29	41.0	DH48	2	111														
AUG 30	11:30	10.0	5.42	41.0	DH48	2	147														
SEP 27	11:14	4.5	30.2	41.0	DH48	6	125														
OCT 09	08:36	3.0	11.0	41.0	DH48	2	142														

NOTE : SINGLE VERTICAL LOCATED AT 41.0 METRES FOR 1985

VERTICAL SYMBOL(S) M - A SEDIMENT MEASUREMENT VERTICAL

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT STANDARD ERROR OF MEAN %
1978	----CCCCC---	MANUAL	73	MAY 22	1	AUG 04	852	MAY 21	7 830		---	---	---
1979	----PCCCC---	MANUAL	258	JUN 01	0	SEP 28 *	4 860	JUN 03	36 300		---	---	---
1980	----PC--PP--	MANUAL	36	MAY 13	1	OCT 27	885	JUN 18	7 070		---	---	---
1981	----CCCCCC--	MANUAL	184	MAY 20	1	OCT 21	4 980	MAY 22	57 400	*	312	312	---
1982	----CCCCCC--	MANUAL	436	JUL 15 *	1	SEP 22	8 170	JUL 15 *	52 500		263	296	4.9
1983	---PCCCCCC--	MANUAL	83	MAY 31	0	OCT 16	3 320	JUL 15	24 900		125	240	24.2
1984	--PCCCCCCC--	MANUAL	233	JUN 08	3	AUG 07	3 070	OCT 09	27 100		200	230	16.4
1985	---PCCCCCC--	MANUAL	288	MAY 21	2	AUG 01	6 430	MAY 20	55 300		300	244	14.8

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

STA. NO.	NAME	PAGE
07FB005	MURRAY RIVER ABOVE WOLVERINE RIVER	56
07FB007	SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK	61
08HB048	CARNATION CREEK AT THE MOUTH	9
08KA004	FRASER RIVER AT HANSARD	30
08MC018	FRASER RIVER NEAR MARGUERITE	47
08MF035	FRASER RIVER NEAR AGASSIZ	41
08MH024	FRASER RIVER AT MISSION	32
08MH126	FRASER RIVER AT PORT MANN PUMPING STATION	38
08NH018	DUCK CREEK NEAR WYNNDEL	16
08NH054	ARROW CREEK NEAR ERICKSON	5
08NH129	KOOTENAY RIVER AT BICKS ISLAND	53
08NJ129	FELL CREEK NEAR NELSON	20
08NJ130	ANDERSON CREEK NEAR NELSON	1
08NJ162	SMOKY CREEK ABOVE DIVERSIONS	59
08NJ166	FIVE MILE CREEK ABOVE CITY INTAKE	22
08NP001	FLATHEAD RIVER AT FLATHEAD	26

NAME	STA. NO.	PAGE
ANDERSON CREEK NEAR NELSON	08NJ130	1
ARROW CREEK NEAR ERICKSON	08NN084	5
CARNATION CREEK AT THE MOUTH	08MB048	9
DUCK CREEK NEAR WYNNDEL	08NN016	16
FELL CREEK NEAR NELSON	08NJ129	20
FIVE MILE CREEK ABOVE CITY INTAKE	08NJ168	22
FLATHEAD RIVER AT FLATHEAD	08NP001	26
FRASER RIVER AT HANSARD	08KA004	30
FRASER RIVER AT MISSION	08MH024	32
FRASER RIVER AT PORT MANN PUMPING STATION	08MH126	36
FRASER RIVER NEAR AGASSIZ	08MF035	41
FRASER RIVER NEAR MARGUERITE	08MC016	47
KOOTENAY RIVER AT NICKS ISLAND	08NN120	53
MURRAY RIVER ABOVE WOLVERINE RIVER	07FB006	56
SMOKY CREEK ABOVE DIVERSIONS	08NJ182	59
SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK	07FB007	61